

МАТЕМАТИКА

1. 1.1-1 file-» 5 - 3 - - 1 (704000)
 $37 \cdot 24 - 34 \cdot 24 + 19 \cdot 11 - 16 \cdot 11$ ning qiymatini toping.
A) 105 B) 90 C) 110 D) 100
2. 1.1-1 file-» 22 - 2 - - 1 (704001)
 Bir nechta natural sonning yig'indisi 85 ga teng.
 Agar shu sonlarning har biridan 2 ni ayirib, yig'indi hisoblansa, u 61 ga teng bo'ladi.
 Yig'indida nechta son qatnashgan?
 A) 5 B) 7 **C) 12** D) 8
3. 1.1-1 file-» 22 - 11 - - 1 (704002)
 $18 \cdot 16 - 15 \cdot 16 + 36 \cdot 24 - 33 \cdot 24 + 17 \cdot 11 - 14 \cdot 11$ ni hisoblang.
 A) 166 B) 155 C) 180 **D) 153**
4. 1.1-1 file-» 22 - 12 - - 1 (704003)
 $17 \cdot 11 - 14 \cdot 11 + 27 \cdot 23 - 24 \cdot 23 + 21 \cdot 19 - 18 \cdot 19$ ni hisoblang.
 A) 165 **B) 159** C) 143 D) 203
5. 1.1-1 file-» 23 - 2 - - 1 (704004)
 279 ni 16 ga bo'lganda qoldiq 7 bo'ladi. Bo'linma nechaga teng?
 A) 13 B) 12 **C) 17** D) 11
6. 1.1-1 file-» 23 - 2 - - 1 (704005)
 Natural sonlar uchun quyida keltirilgan mulohazalardan qaysi biri noto'g'ri?
 A) *Berilgan sonlar bo'linadigan sonlarning eng kattasi ularning eng katta umumiy bo'luvchisi bo'ladi.*
 B) *Agar ikki qo'shiluvchidan biri 11 ga bo'linib, ikkinchisi 11 ga bo'linmasa, ularning yig'indisi 11 ga bo'linmaydi.*
C) 3 ga bo'lingan son 6 ga ham bo'linadi.
 D) *3 va 5 ga bo'linadigan son 15 ga bo'linadi.*
7. 1.1-1 file-» 23 - 3 - - 1 (704006)
 392 ni qanday songa bo'lganda bo'linma 17 va qoldiq 1 bo'ladi?
 A) 19 B) 21 C) 22 **D) 23**
8. 1.1-1 file-» 23 - 3 - - 1 (704007)
 1 soat 160 minut 5 sekund necha sekunddan iborat?
 A) 106005 B) 12205 C) 14205
D) 13205
9. 1.1-1 file-» 23 - 3 - - 1 (704008)
 Quyidagi mulohazalarning qaysi biri natural sonlarga nisbatan noto'g'ri?
 A) *Berilgan sonlarga bo'linadigan sonlarning eng kichigi bu sonlarning eng kichik karralisi bo'ladi.*
 B) *3 hamda 4 ga bo'lingan son 12 ga ham bo'linadi.*
C) Oxirgi raqami 6 yoki 9 bo'lgan son 3 ga bo'linadi.
 D) *Oxirgi raqami 0 yoki 5 bo'lgan son 5 ga bo'linadi.*
10. 1.1-1 file-» 23 - 4 - - 1 (704009)
 Natural sonni 18 ga bo'lganda, bo'linma 19 ga, qoldiq 8 ga teng bo'ldi. Bo'linuvchini toping.
 A) 263 B) 243 **C) 350** D) 273
11. 1.1-1 file-» 23 - 4 - - 1 (704010)
 $4 m^2 3 dm^2 4 sm^2$ necha kvadrat santimetr bo'ladi?
A) 40304 B) 40244 C) 41034 D) 43004
12. 1.1-1 file-» 28 - 2 - - 1 (704011)
 $n(n \in N)$ ning $\frac{8 + 5n^4 + 4n^2}{n^2}$ kasr butun son bo'ladigan barcha qiymatlarini toping.
 A) 1 **B) 1; 2** C) 2 D) 1; 2; 4
13. 1.1-1 file-» 22 - 1 - - 1 (704012)
 $18 \cdot 13 - 15 \cdot 13 + 21 \cdot 17 - 18 \cdot 17 + 17 \cdot 15 - 15 \cdot 14$ ni hisoblang.
 A) 125 **B) 135** C) 205 D) 180
14. 1.1-1 file-» 23 - 5 - - 1 (704013)
 Agar kamayuvchini 26 ta va ayriluvchini 12 ta orttirilsa, ayirma qanday o'zgaradi?
 A) *4 ta kamayadi* **B) 14 ta ortadi**
 C) *28 ta kamayadi* D) *4 ta ortadi*
15. 1.1-1 file-» 23 - 6 - - 1 (704014)
 Agar kamayuvchini 30 ta va ayriluvchini 12 ta kamaytirilsa, ayirma qanday o'zgaradi?
A) 18 ta kamayadi B) *24 ta ortadi*
 C) *12 ta ortadi* D) *12 ta kamayadi*
16. 1.1-1 file-» 5 - 3 - - 2 (719000)
 18 va 16 sonlarning eng kichik umumiy karralisini toping.
 A) 36 B) 72 C) 54 **D) 144**
17. 1.1-1 file-» 5 - 4 - - 2 (719001)
 45 va 12 sonlarning eng kichik umumiy karralisini toping.
A) 180 B) 120 C) 24 D) 90

18. 1.1-1 file-» 5 - 5 - - 2 (719002)
90 va 300 sonlarining eng kichik umumiy karralisini toping.
A) 80 B) 10 C) 18 **D) 900**
19. 1.1-1 file-» 22 - 2 - - 2 (719003)
 $26 \cdot 25 - 25 \cdot 24 + 24 \cdot 23 - 23 \cdot 22 - 12 \cdot 9$ ning qiymatini toping.
A) 0 B) 1 **C) -12** D) 8
20. 1.1-1 file-» 22 - 3 - - 2 (719004)
 $21 \cdot 13 + 24 \cdot 13 + 45 \cdot 12 + 25 \cdot 44 - 89 \cdot 23$ ning qiymatini toping.
A) 178 B) 1 C) 89 D) 0
21. 1.1-1 file-» 22 - 3 - - 2 (719005)
Bir nechta natural sonlarning yig'indisi 60 ga teng. Agar shu sonlarning har biriga 2 ni qo'shib yig'indi hisoblang, u 86 ga teng bo'ladi. Yig'indida nechta son qatnashgan?
A) 13 B) 8 C) 9 D) 16
22. 1.1-1 file-» 22 - 4 - - 2 (719006)
 $18 \cdot 36 - 16 \cdot 36 + 24 \cdot 27 - 25 \cdot 24 - 21 \cdot 4$ ning qiymatini toping.
A) 45 **B) 36** C) 0 D) 15
23. 1.1-1 file-» 22 - 4 - - 2 (719007)
Bir nechta natural sonlarning yig'indisi 77 ga teng. Agar shu sonlarning har biridan 4 ni ayirib yig'indi hisoblang, u 29 ga teng bo'ladi. Yig'indida nechta natural son qatnashgan?
A) 4 B) 6 C) 8 **D) 12**
24. 1.1-1 file-» 5 - 10 - - 2 (719008)
To'g'ri to'rtburchakning eni 5 ga teng, bo'yi undan 8 ga ortiq. To'g'ri to'rtburchakning perimetrini hisoblang.
A) 32 B) 34 C) 24 **D) 36**
25. 1.1-1 file-» 5 - 7 - - 2 (719009)
To'g'ri to'rtburchakning eni 7 sm, bo'yi undan 4 sm ortiq. To'g'ri to'rtburchakning perimetrini hisoblang.
A) 36 B) 20 C) 34 D) 30
26. 1.1-1 file-» 23 - 2 - - 2 (719010)
 $9m^2$ $1dm^2$ $5sm^2$ necha sm^2 ga teng?
A) 90105 B) 9105 C) 90015 D) 91015
27. 1.1-1 file-» 51 - 2 - - (719011)
 $\frac{(3^2)^8 \cdot 5^{16}}{15^{14}}$ ni hisoblang.
A) 105 **B) 225** C) 75 D) 240
28. 1.1-1 file-» 58 - 1 - - (719012)
245, 350, 475, 525 va 625 sonlar berilgan. Shu sonlardan 15 ga qoldiqsiz bo'linadiganlarining yig'indisini toping.
A) 875 **B) 525** C) 1000 D) 870
29. 1.1-3 file-» 6 - 4 - - (14056)
1 dan 120 gacha b'ulgan sonlar orasida 2 ga xam, 5 ga xam b'ulinmaydiganlari nechta?
A) 36 B) 40 C) 44 **D) 48**
30. 1.1-3 file-» 6 - 5 - - (14108)
1 dan 120 gacha b'ulgan sonlar orasida 3 ga xam, 5 ga xam b'ulinmaydiganlari nechta?
A) 56 **B) 64** C) 60 D) 61
31. 1.1-3 file-» 6 - 6 - - (14160)
1 dan 126 gacha b'ulgan sonlar orasida 2 ga xam, 7 ga xam b'ulinmaydiganlari nechta?
A) 54 B) 64 C) 50 D) 45
32. 1.1-3 file-» 23 - 4 - - (36559)
 $\frac{18n^2 - 162}{n^2}$ ifoda natural son b'uladigan n ning barча natural qiymatlari nechta?
A) 3 **B) 1** C) 2 D) 6
33. 1.1-3 file-» 6 - 8 - - (56464)
6 ni berilgan songa k'upaytirganda, xosil b'ulgan son ... 14 k'urinishda b'ulsa, berilgan son q'uyidaгилардан qайси бири k'urinishida b'улиши мумкин?
A) ... 24 **B) ... 19** C) ... 79 D) ... 14
34. 1.1-3 file-» 23 - 9 - - (57191)
 $\frac{n^2 - 24}{n}$ ifoda natural son b'uladigan n ning barча natural qiymatlari йиғиндисини топинг.
A) 44 B) 54 **C) 50** D) 48
35. 1.1-3 file-» 23 - 15 - - 2 (64290)
 $3p - 3 \in N$ son 1; 2; 3; 6; 9; 18 va 21 ga qoldiqsiz b'улинади. p ning энг кичик natural qiymatini топинг.
A) 42 B) 41 **C) 43** D) 7
36. 1.1-3 file-» 19 - 1 - - 3 (68317)
36455472363 ni 2, 4, 5, 9, 10 va 25 ga b'ulganda xosil b'ulgan qoldiqлар йиғиндисини топинг.
A) 26 B) 16 C) 15 D) 14
37. 1.1-3 file-» 16 - 4 - - 11 (72703)
Агар x, y, z va t кетма-кет келадиган natural sonlar b'улса, q'uyidaгиларнинг qайси бири албатта жуфт son b'улади?
A) $\frac{x + y + z}{3}$ B) $\frac{xyz}{24}$ C) $\frac{xyz}{6}$ **D) $\frac{yzt}{3}$**

38. 1.1-3 file-» 16 - 4 - - 11 (72753)
 M та соннинг ўрта арифметиги 14 га, бошқа N тасиники - 28 га тенг. Шу $M + N$ та соннинг ўрта арифметигини топинг.
 A) $\frac{N}{M}$ B) $\frac{M + N}{42}$ C) $\frac{14N + 28M}{M + N}$
 D) $\frac{14M + 28N}{M + N}$
39. 1.1-3 file-» 23 - 16 - - 1 (86902)
 55 дан катта бўлмаган барча натурал сонларнинг кўпайтмаси нечта ноль билан тугайди?
 A) 14 B) 12 C) 13 D) 11
40. 1.1-3 file-» 16 - 5 - - 12 (96299)
 Томони 1000 дм га тенг бўлган квадрат томони 5 см га тенг бўлган квадратчаларга ажратилди. Шу квадратчалар кенглиги 10 см бўлган тасма шаклида жойлаштирилса, унинг узунлиги қанча бўлади?
 A) 100 км B) 200 км C) 20 км D) 1 км
41. 1.1-3 file-» 23 - 19 - - 2 (109034)
 Барча уч хонали сонлар ичида 44 га қолдиқсиз бўлинадиганлари нечта?
 A) 19 B) 20 C) 22 D) 21
42. 1.1-3 file-» 23 - 19 - - 2 (109040)
 $\frac{n^3 - 2n^2 - 12}{n}$ ($n \in N$) касрнинг натурал сонлардан иборат барча қийматлари йиғиндисини топинг.
 A) 102 B) 105 C) 146 D) 124
43. 1.1-3 file-» 16 - 8 - - 3 (131378)
 100 ва 125 сўмлик дафтарлардан ҳаммаси бўлиб 1750 сўмлик харид қилинди. Қуйида келтирилган сонлардан қайси бири 100 сўмлик дафтарларнинг сонига тенг бўлиши мумкин?
 A) 14 B) 15 C) 16 D) 17
44. 1.1-3 file-» 6 - 4 - - (315001)
 1 дан 120 гача бўлган сонлар орасида 2 га ҳам, 5 га ҳам бўлинмайдиганлари нечта?
 A) 36 B) 40 C) 44 D) 48
45. 1.1-3 file-» 6 - 5 - - (315002)
 1 дан 120 гача бўлган сонлар орасида 3 га ҳам, 5 га ҳам бўлинмайдиганлари нечта?
 A) 56 B) 64 C) 60 D) 61
46. 1.1-3 file-» 6 - 6 - - (315003)
 1 дан 126 гача бўлган сонлар орасида 2 га ҳам, 7 га ҳам бўлинмайдиганлари нечта?
 A) 54 B) 64 C) 50 D) 45
47. 1.1-3 file-» 23 - 4 - - (315004)
 $\frac{18n^2 - 162}{n^2}$ ifoda natural son bo'ladigan n ning barcha natural qiymatlari nechta?
 A) 3 B) 1 C) 2 D) 6
48. 1.1-3 file-» 6 - 8 - - (315005)
 6 ni berilgan songa ko'paytirganda, hosil bo'lgan son ... 14 ko'rinishda bo'lsa, berilgan son quyidagilardan qaysi biri ko'rinishida bo'lishi mumkin?
 A) ... 24 B) ... 19 C) ... 79 D) ... 14
49. 1.1-3 file-» 23 - 9 - - (315006)
 $\frac{n^2 - 24}{n}$ ifoda natural son bo'ladigan n ning barcha natural qiymatlari yig'indisini toping.
 A) 44 B) 54 C) 50 D) 48
50. 1.1-3 file-» 23 - 15 - - 2 (315007)
 $3p - 3 \in N$ son 1; 2; 3; 6; 9; 18 va 21 ga qoldiqsiz bo'linadi. p ning eng kichik natural qiymatini toping.
 A) 42 B) 41 C) 43 D) 7
51. 1.1-3 file-» 19 - 1 - - 3 (315008)
 36455472363 ni 2, 4, 5, 9, 10 va 25 ga bo'lganda hosil bo'lgan qoldiqlar yig'indisini toping.
 A) 26 B) 16 C) 15 D) 14
52. 1.1-3 file-» 16 - 4 - - 11 (315009)
 Agar x, y, z va t ketma-ket keladigan natural sonlar bo'lsa, quyidagilarning qaysi biri albatta juft son bo'ladi?
 A) $\frac{x + y + z}{3}$ B) $\frac{xyzt}{24}$ C) $\frac{xyz}{6}$ D) $\frac{yzt}{3}$
53. 1.1-3 file-» 16 - 4 - - 11 (315010)
 M ta sonning o'рта arifmetigi 14 ga, boshqa N tasiniki - 28 ga teng. Shu $M + N$ ta sonning o'рта arifmetigini toping.
 A) $\frac{N}{M}$ B) $\frac{M + N}{42}$ C) $\frac{14N + 28M}{M + N}$
 D) $\frac{14M + 28N}{M + N}$
54. 1.1-3 file-» 23 - 16 - - 1 (315011)
 55 dan katta bo'lmagan barcha natural sonlarning ko'paytmasi nechta nol bilan tugaydi?
 A) 14 B) 12 C) 13 D) 11

55. 1.1-3 file-» 16 - 5 - - 12 (315012)
Tomoni 1000 dm ga teng bo'lgan kvadrat tomoni 5 sm ga teng bo'lgan kvadratchalarga ajratildi. Shu kvadratchalar kengligi 10 sm bo'lgan tasma shaklida joylashtirilsa, uning uzunligi qancha bo'ladi?
A) 100 km B) 200 km C) 20 km D) 1 km
56. 1.1-3 file-» 23 - 19 - - 2 (315013)
Barcha uch xonali sonlar ichida 44 ga qoldiqsiz bo'linadiganlari nechta?
A) 19 B) 20 C) 22 D) 21
57. 1.1-3 file-» 23 - 19 - - 2 (315014)
 $\frac{n^3 - 2n^2 - 12}{n}$ ($n \in N$) kasrning natural sonlardan iborat barcha qiymatlari yig'indisini toping.
A) 102 B) 105 C) 146 D) 124
58. 1.1-3 file-» 16 - 8 - - 3 (315015)
100 va 125 so'mlik daftarlardan hammasi bo'lib 1750 so'mlik xarid qilindi. Quyida keltirilgan sonlardan qaysi biri 100 so'mlik daftarlarning soniga teng bo'lishi mumkin?
A) 14 B) 15 C) 16 D) 17
59. 1.1-3 file-» 23 - 2 - - (401531)
 $\frac{12 - 3n}{n}$ ifoda n ning nechta natural qiymatida natural son bo'ladi?
A) 6 B) 3 C) 5 D) 4
60. 1.1-3 file-» 23 - 3 - - (401532)
 $\frac{3n - 24}{n}$ ifoda natural son bo'ladigan n ning natural qiymatlari nechta?
A) 2 B) 7 C) 3 D) 5
61. 1.1-3 file-» 22 - 17 - - (401533)
 $\frac{3n - 4}{n - 5}$ ifoda n ning nechta natural qiymatida butun son bo'ladi?
A) 4 B) 3 C) 2 D) 1
62. 1.1-3 file-» 22 - 18 - - (401534)
 $\frac{3n - 1}{n - 3}$ ifoda n ning nechta butun qiymatida natural son bo'ladi?
A) 6 B) 3 C) 4 D) 8
63. 1.1-3 file-» 2 - 2 - - 8 (401535)
Ikki sonning nisbati 11 : 14 kabi, ularning eng katta umumiy bo'luvchisi 5 ga teng. Bu sonlarning yig'indisini toping.
A) 130 B) 120 C) 125 D) 150
64. 1.1-3 file-» 5 - 11 - - 5 (401536)
1 dan 71 gacha bo'lgan toq sonlar yig'indisi qanday raqam bilan tugaydi?
A) 0 B) 1 C) 4 D) 6
65. 1.1-3 file-» 23 - 17 - - 7 (401537)
Uchta sonning o'rta arifmetigi 30 ga, dastlabki ikkitasini esa 25 ga teng. Uchinchi sonni toping.
A) 44 B) 40 C) 45 D) 38
66. 1.1-3 file-» 31 - 1 - - 8 (401538)
 $1 * 4770$ yozuvdagi yulduzchani shunday raqam bilan almashtiringki, hosil bo'lgan son 45 ga qoldiqsiz bo'linsin.
A) 4 B) 5 C) 8 D) 6
67. 1.1-3 file-» 16 - 7 - - 6 (401539)
Sayohatchilar guruhidagi erkaklarning ayollar soniga nisbati 5:2 kabi. Quyida keltirilganlardan qaysi biri guruhdagi sayohatchilar soniga teng bo'la olmaydi?
A) 28 B) 21 C) 65 D) 35
68. 1.1-3 file-» 23 - 19 - - 2 (401540)
59 ni bo'lganda, qoldiq 9 chiqadigan barcha natural sonlarning yig'indisini toping.
A) 55 B) 45 C) 50 D) 85
69. 1.1-3 file-» 23 - 20 - - 9 (401541)
6 ga karrali ikki xonali natural sonlar nechta?
A) 15 B) 12 C) 13 D) 16
70. 1.1-3 file-» 23 - 22 - - 1 (401542)
Nechta uch xonali son 16 ga qoldiqsiz bo'linadi?
A) 56 B) 59 C) 61 D) 60
71. 1.1-3 file-» 23 - 22 - - 1 (401543)
Uchta sonning nisbati 1 : 2 : 6 ga, ularning yig'indisi esa 468 ga teng. Shu sonlardan eng kattasi va eng kichigining ayirmasini toping.
A) 240 B) 255 C) 230 D) 260
72. 1.1-3 file-» 51 - 1 - - (401544)
Agar $m > 3$, $n > 5$ va $k < 6$ bo'lsa, $3m + 5n - 2k$ ning eng kichik butun qiymatini toping.
A) 23 B) 14 C) 13 D) 22
73. 1.1-3 file-» 51 - 1 - - (401545)
Agar $m \geq 1$, $n \geq 2$ va $k \geq 36$ bo'lsa, $2 : m + 6 : n + 432 : k$ ifodaning eng katta qiymatini toping.
A) 8 B) 7 C) 19 D) 17
74. 1.2-1 file-» 22 - 3 - - 1 (704015)
 $\frac{3,2 \cdot 0,15 \cdot 9,2}{4,6 \cdot 0,03 \cdot 19,2}$ ning qiymatini toping.
A) $\frac{5}{3}$ B) $\frac{2}{5}$ C) 2 D) $\frac{5}{2}$

75. 1.2-1 file-» 22 - 3 - - 1 (704016)
 $-5\frac{3}{4}$ ga teskari sonni toping.
 A) $5\frac{3}{4}$ B) $-\frac{23}{4}$ C) $-\frac{4}{23}$ D) $\frac{4}{23}$
76. 1.2-1 file-» 22 - 3 - - 1 (704017)
 $3; y; 2,1$ va $2,1$ sonlarining o'rtta arifmetigi $2,5$ ga teng. y ni toping.
 A) 2,8 B) 2,6 C) 2 D) 3,4
77. 1.2-1 file-» 22 - 4 - - 1 (704018)
 $\frac{2,6 \cdot 0,21 \cdot 1,8}{7,2 \cdot 7,8 \cdot 0,28}$ ning qiymatini toping.
 A) $\frac{1}{24}$ B) $\frac{2}{5}$ C) $\frac{1}{16}$ D) $\frac{1}{12}$
78. 1.2-1 file-» 22 - 4 - - 1 (704019)
 $3\frac{3}{4}$ songa teskari sonni toping.
 A) $-3\frac{3}{4}$ B) $\frac{15}{4}$ C) $-\frac{4}{15}$ D) $\frac{4}{15}$
79. 1.2-1 file-» 22 - 4 - - 1 (704020)
 $5,2; y; -2$ sonlarning o'rtta arifmetigi $1,5$ ga teng. y ni toping.
 A) 1,2 B) $-0,8$ C) 0,4 D) 1,3
80. 1.2-1 file-» 17 - 1 - - 1 (704021)
 Xaritada ikki shahar orasidagi masofa $3,5$ sm ga teng. Xaritadagi masshtab $1:4000000$ bo'lsa, shaharlar orasidagi haqiqiy masofa necha km bo'ladi?
 A) 140 B) 210 C) 70 D) 700
81. 1.2-1 file-» 23 - 9 - - 1 (704022)
 $2,014 : 0,19 + 2,5 \cdot 0,3$ ni hisoblang.
 A) 9,85 B) 11,35 C) 8,85 D) 12,85
82. 1.2-1 file-» 5 - 11 - - 1 (704023)
 $(2,01 - 3,81) \cdot 3,8$ ifodani hisoblang.
 A) 6,84 B) 5,82 C) $-6,84$ D) $-5,82$
83. 1.2-1 file-» 5 - 14 - - 1 (704024)
 $3602,1$ sonini standart shaklda yozing.
 A) $3,6 \cdot 10^3$ B) $0,36 \cdot 10^4$ C) $36,02 \cdot 10^2$
 D) $3,6021 \cdot 10^3$
84. 1.2-1 file-» 5 - 3 - - 2 (719013)
 Ikki sonning yig'indisi $8,2$ ga teng. Ulardan biri ikkinchisidan 4 marta kichik. Shu sonlarning kattasini toping.
 A) 6,56 B) 6 C) 6,24 D) 5,56
85. 1.2-1 file-» 5 - 4 - - 2 (719014)
 Ikki sonning yig'indisi $10,8$ ga teng. Ulardan biri ikkinchisidan 3 marta kichik. Shu sonlarning kichigini toping.
 A) 1,2 B) 2,7 C) 4,8 D) 5,4
86. 1.2-1 file-» 5 - 5 - - 2 (719015)
 Ikki sonning yig'indisi $11,5$ ga teng. Ulardan biri ikkinchisidan 4 marta katta bo'lsa, shu sonlarning kattasini toping.
 A) 8,4 B) 10,2 C) 9,6 D) 9,2
87. 1.2-1 file-» 6 - 3 - - 2 (719016)
 $3,701 \cdot 10^{-3} + 3,305 \cdot 10^{-4}$ yig'indi quyidagi sonlarning qaysi biriga teng?
 A) $4,0215 \cdot 10^{-3}$ B) $5,906 \cdot 10^{-7}$
 C) $3,4751 \cdot 10^{-3}$ D) $4,0315 \cdot 10^{-3}$
88. 1.2-1 file-» 6 - 4 - - 2 (719017)
 $1,015 \cdot 10^{-5} + 4,24 \cdot 10^{-4}$ yig'indi quyidagi sonlarning qaysi biriga teng?
 A) $3,2415 \cdot 10^{-4}$ B) $4,2415 \cdot 10^{-4}$
 C) $4,155 \cdot 10^{-9}$ D) $4,3415 \cdot 10^{-4}$
89. 1.2-1 file-» 6 - 5 - - 2 (719018)
 $3,104 \cdot 10^{-3} + 2,81 \cdot 10^{-2}$ yig'indi quyidagi sonlarning qaysi biriga teng?
 A) $3,1204 \cdot 10^{-2}$ B) $3,285 \cdot 10^{-2}$
 C) $2,1204 \cdot 10^{-2}$ D) $4,914 \cdot 10^{-3}$
90. 1.2-1 file-» 6 - 6 - - 2 (719019)
 $1,011 \cdot 10^{-4} + 3,1 \cdot 10^{-3}$ yig'indi quyidagi sonlarning qaysi biriga teng?
 A) $2,2011 \cdot 10^{-3}$ B) $3,111 \cdot 10^{-4}$
 C) $3,2011 \cdot 10^{-3}$ D) $1,221 \cdot 10^{-3}$
91. 1.2-1 file-» 22 - 2 - - 2 (719020)
 $\frac{1,65 \cdot 0,04 \cdot 0,85}{0,16 \cdot 0,68 \cdot 3,3}$ ning qiymatini toping.
 A) $\frac{5}{32}$ B) $\frac{1}{2}$ C) $\frac{2}{3}$ D) $\frac{1}{6}$
92. 1.2-1 file-» 22 - 2 - - 2 (719021)
 $4\frac{2}{3}$ ga teskari sonni toping.
 A) $-4\frac{2}{3}$ B) $\frac{3}{14}$ C) $\frac{14}{3}$ D) $-\frac{3}{14}$
93. 1.2-1 file-» 22 - 2 - - 2 (719022)
 $x; -2,1$ va $3,3$ sonlarining o'rtta arifmetigi $0,7$ ga teng. x ni toping.
 A) 0,9 B) $-0,6$ C) 0,8 D) $-0,3$

94. 1.2-2 file-» 6 - 3 - - (14005)
 Қўйидаги оддий каср кўринишида берилган сонлардан қайсыларини чекли ўнли каср кўринишига келтириб бўлмайди:
 1) $\frac{10}{65}$; 2) $\frac{7}{40}$; 3) $\frac{15}{85}$; 4) $\frac{18}{250}$?
 A) 1; 2 B) 2; 3 C) 3; 4 **D) 1; 3**
95. 1.2-2 file-» 6 - 4 - - (14057)
 Қўйидаги оддий каср кўринишида берилган сонлардан қайсыларини чекли ўнли каср кўринишига келтириб бўлмайди:
 1) $\frac{15}{35}$; 2) $\frac{4}{125}$; 3) $\frac{11}{80}$; 4) $\frac{20}{55}$?
 A) 1; 2 B) 3; 4 C) 1; 3 **D) 1; 4**
96. 1.2-2 file-» 6 - 5 - - (14109)
 Қўйидаги оддий каср кўринишида берилган сонлардан қайсыларини чекли ўнли каср кўринишига келтириб бўлмайди:
 1) $\frac{2}{34}$; 2) $\frac{14}{625}$; 3) $\frac{4}{90}$; 4) $\frac{11}{125}$?
A) 1; 3 B) 2; 3 C) 3; 4 D) 4; 1
97. 1.2-2 file-» 6 - 6 - - (14161)
 Қўйидаги оддий каср кўринишида берилган сонлардан қайсыларини чекли ўнли каср кўринишига келтириб бўлмайди:
 1) $\frac{7}{32}$; 2) $\frac{10}{55}$; 3) $\frac{11}{160}$; 4) $\frac{20}{35}$?
 A) 2; 3 B) 3; 4 C) 4; 1 **D) 2; 4**
98. 1.2-2 file-» 6 - 7 - - (56406)
 0,26·0,00015 кўпайтма қўйидаги сонлардан қайси бирига тенг эмас?
 A) $3,9 \cdot 10^{-5}$ B) $390 \cdot 10^{-7}$ C) $39 \cdot 10^{-6}$
D) $3,9 \cdot 10^{-6}$
99. 1.2-2 file-» 6 - 8 - - (56466)
 0,34 · 0,00025 кўпайтма қўйидаги сонлардан қайси бирига тенг эмас?
 A) $8,5 \cdot 10^{-5}$ B) $850 \cdot 10^{-7}$ C) $85 \cdot 10^{-6}$
D) $8,5 \cdot 10^{-6}$
100. 1.2-2 file-» 13 - 3 - - (56579)
 Учта соннинг ўрта арифметиги 13,9 га тенг. Агар сонларнинг иккитаси 20,2 ва 21,7 бўлса, учинчи сонни топинг.
 A) 12,1 **B) -0,2** C) -8,4 D) 13
101. 1.2-2 file-» 2 - 1 - - 6 (67867)
 $4,2 \cdot 13,5 - 8,7 \cdot 4,2 - 5,8 \cdot 8,7 + 13,5 \cdot 5,8$ ни ҳисобланг.
 A) 42 B) 52 C) 50 **D) 48**
102. 1.2-2 file-» 22 - 19 - - 4 (69913)
 $\frac{0,005 \cdot 0,081 \cdot 3,2}{0,09 \cdot 0,0025 \cdot 6,4}$ нинг қийматини топинг.
 A) 3 B) 0,3 C) 30 **D) 0,9**
103. 1.2-2 file-» 2 - 3 - - 2 (86135)
 $173 \cdot 3,6 + 2,7 \cdot 64 + 2,7 \cdot 36 + 17,3 \cdot 64$ нинг қийматини топинг.
 A) 3000 B) 1800 **C) 2000** D) 1600
104. 1.2-2 file-» 22 - 20 - - 6 (96047)
 $(0,2 \cdot 0,05 - 0,05) : 0,125 + 0,96$ ни ҳисобланг.
A) 0,64 B) -2,45 C) 3,95 D) 0,43
105. 1.2-2 file-» 22 - 20 - - 6 (96050)
 $\frac{0,4^2 - 1,6 \cdot 0,8 + 1,6^2}{1,6^2 - 0,4^2}$ ни соддалаштиринг.
 A) 1,6 B) 0,375 C) 1,2 **D) 0,6**
106. 1.2-2 file-» 22 - 21 - - 4 (105929)
 $\frac{0,8 \cdot 0,06 + 1,2 \cdot 0,06}{0,2^2 - 0,4^2}$ ни соддалаштиринг.
 A) -10 B) 10 C) -0,1 **D) -1**
107. 1.2-2 file-» 22 - 21 - - 4 (105948)
 $a; 4,2; 3,1$ ва $1,1$ сонларининг ўрта арифметиги 2,95 га тенг. a нинг қийматини топинг.
 A) 2,1 B) -2,6 **C) 3,4** D) 2
108. 1.2-2 file-» 5 - 13 - - 9 (115022)
 Учта соннинг ўрта арифметиги 8,1 га, биринчи сон эса 7,35 га тенг. Агар кейинги ҳар бир сон аввалгисидан айни бир сонга фарқ қилса, кейинги сондан олдингисининг айирмасини топинг.
A) 0,75 B) 0,1 C) $\frac{1}{4}$ D) 0,2
109. 1.2-2 file-» 32 - 3 - - 2 (139888)
 $\frac{0,26}{0,00026} + \frac{0,24}{0,0015} - \frac{0,7}{0,0014}$ ни ҳисобланг.
 A) 540 B) 340 **C) 660** D) 1340
110. 1.2-2 file-» 2 - 43 - - 7 (144506)
 $\frac{0,28}{0,84} + \frac{0,23}{0,03} - \frac{0,9}{0,05}$ ифоданинг қийматини топинг.
 A) 25 **B) -10** C) $\frac{32}{3}$ D) 10
111. 1.2-2 file-» 31 - 2 - - 5 (146233)
 $25\frac{1}{2}$ сонини 6; 7; 4 сонларига мутаносиб бўлақларга бўлгандаги энг кичик сонни топинг.
 A) 3 B) 4 C) 5 **D) 6**
112. 1.2-2 file-» 31 - 2 - - 5 (146234)
 Икки соннинг кўпайтмаси 5,76 га тенг. Биринчи кўпайтувчи 0,8 га, иккинчи кўпайтувчи 1,6 га бўлинса, кўпайтма неча бўлади?
 A) 6 B) 10 C) 12 **D) 4,5**

113. 1.2-2 file-» 22 - 25 - - 8 (151071)

$$\frac{0,1^2 - 0,6 \cdot 0,2 + 0,6^2}{2,5 - 2,5^2}$$
 ni ҳисобланг.
A) $-\frac{1}{15}$ B) $-\frac{1}{3}$ C) -3 D) $-1\frac{2}{3}$
114. 1.2-2 file-» 6 - 3 - - (315016)
 Quyidagi oddiy kasr ko'rinishida berilgan sonlardan qaysilarini chekli o'nli kasr ko'rinishiga keltirib bo'lmaydi:
 1) $\frac{10}{65}$; 2) $\frac{7}{40}$; 3) $\frac{15}{85}$; 4) $\frac{18}{250}$?
 A) 1; 2 B) 2; 3 C) 3; 4 **D) 1; 3**
115. 1.2-2 file-» 6 - 4 - - (315017)
 Quyidagi oddiy kasr ko'rinishida berilgan sonlardan qaysilarini chekli o'nli kasr ko'rinishiga keltirib bo'lmaydi:
 1) $\frac{15}{35}$; 2) $\frac{4}{125}$; 3) $\frac{11}{80}$; 4) $\frac{20}{55}$?
 A) 1; 2 B) 3; 4 C) 1; 3 **D) 1; 4**
116. 1.2-2 file-» 6 - 5 - - (315018)
 Quyidagi oddiy kasr ko'rinishida berilgan sonlardan qaysilarini chekli o'nli kasr ko'rinishiga keltirib bo'lmaydi:
 1) $\frac{2}{34}$; 2) $\frac{14}{625}$; 3) $\frac{4}{90}$; 4) $\frac{11}{125}$?
A) 1; 3 B) 2; 3 C) 3; 4 D) 4; 1
117. 1.2-2 file-» 6 - 6 - - (315019)
 Quyidagi oddiy kasr ko'rinishida berilgan sonlardan qaysilarini chekli o'nli kasr ko'rinishiga keltirib bo'lmaydi:
 1) $\frac{7}{32}$; 2) $\frac{10}{55}$; 3) $\frac{11}{160}$; 4) $\frac{20}{35}$?
 A) 2; 3 B) 3; 4 C) 4; 1 **D) 2; 4**
118. 1.2-2 file-» 6 - 7 - - (315020)
 $0,26 \cdot 0,00015$ ko'paytma quyidagi sonlardan qaysi biriga teng emas?
 A) $3,9 \cdot 10^{-5}$ B) $390 \cdot 10^{-7}$ C) $39 \cdot 10^{-6}$
D) $3,9 \cdot 10^{-6}$
119. 1.2-2 file-» 6 - 8 - - (315021)
 $0,34 \cdot 0,00025$ ko'paytma quyidagi sonlardan qaysi biriga teng emas?
 A) $8,5 \cdot 10^{-5}$ B) $850 \cdot 10^{-7}$ C) $85 \cdot 10^{-6}$
D) $8,5 \cdot 10^{-6}$
120. 1.2-2 file-» 13 - 3 - - (315022)
 Uchta sonning o'rta arifmetigi 13,9 ga teng. Agar sonlarning ikkitasi 20,2 va 21,7 bo'lsa, uchinchi sonni toping.
 A) 12,1 **B) $-0,2$** C) $-8,4$ D) 13
121. 1.2-2 file-» 2 - 1 - - 6 (315023)
 $4,2 \cdot 13,5 - 8,7 \cdot 4,2 - 5,8 \cdot 8,7 + 13,5 \cdot 5,8$ ni hisoblang.
 A) 42 B) 52 C) 50 **D) 48**
122. 1.2-2 file-» 22 - 19 - - 4 (315024)
 $\frac{0,005 \cdot 0,081 \cdot 3,2}{0,09 \cdot 0,0025 \cdot 6,4}$ ning qiymatini toping.
 A) 3 B) 0,3 C) 30 **D) 0,9**
123. 1.2-2 file-» 2 - 3 - - 2 (315025)
 $173 \cdot 3,6 + 2,7 \cdot 64 + 2,7 \cdot 36 + 17,3 \cdot 64$ ning qiymatini toping.
 A) 3000 B) 1800 **C) 2000** D) 1600
124. 1.2-2 file-» 22 - 20 - - 6 (315026)
 $(0,2 \cdot 0,05 - 0,05) : 0,125 + 0,96$ ni hisoblang.
A) 0,64 B) $-2,45$ C) 3,95 D) 0,43
125. 1.2-2 file-» 22 - 20 - - 6 (315027)
 $\frac{0,4^2 - 1,6 \cdot 0,8 + 1,6^2}{1,6^2 - 0,4^2}$ ni soddalashtiring.
 A) 1,6 B) 0,375 C) 1,2 **D) 0,6**
126. 1.2-2 file-» 22 - 21 - - 4 (315028)
 $\frac{0,8 \cdot 0,06 + 1,2 \cdot 0,06}{0,2^2 - 0,4^2}$ ni soddalashtiring.
 A) -10 B) 10 C) $-0,1$ **D) -1**
127. 1.2-2 file-» 22 - 21 - - 4 (315029)
 $a; 4,2; 3,1$ va $1,1$ sonlarining o'rta arifmetigi 2,95 ga teng. a ning qiymatini toping.
 A) 2,1 B) $-2,6$ **C) 3,4** D) 2
128. 1.2-2 file-» 5 - 13 - - 9 (315030)
 Uchta sonning o'rta arifmetigi 8,1 ga, birinchi son esa 7,35 ga teng. Agar keyingi har bir son avvalgisidan ayni bir songa farq qilsa, keyingi sondan oldingisining ayirmasini toping.
A) 0,75 B) 0,1 C) $\frac{1}{4}$ D) 0,2
129. 1.2-2 file-» 32 - 3 - - 2 (315031)
 $\frac{0,26}{0,00026} + \frac{0,24}{0,0015} - \frac{0,7}{0,0014}$ ni hisoblang.
 A) 540 B) 340 **C) 660** D) 1340
130. 1.2-2 file-» 2 - 43 - - 7 (315032)
 $\frac{0,28}{0,84} + \frac{0,23}{0,03} - \frac{0,9}{0,05}$ ifodaning qiymatini toping.
 A) 25 **B) -10** C) $\frac{32}{3}$ D) 10
131. 1.2-2 file-» 31 - 2 - - 5 (315033)
 $25\frac{1}{2}$ sonini 6; 7; 4 sonlariga mutanosib bo'laklarga bo'lgandagi eng kichik sonni toping.
 A) 3 B) 4 C) 5 **D) 6**

132. 1.2-2 file-» 31 - 2 - - 5 (315034)
Ikki sonning ko'paytmasi 5,76 ga teng. Birinchi ko'paytuvchi 0,8 ga, ikkinchi ko'paytuvchi 1,6 ga bo'linsa, ko'paytma necha bo'ladi?
A) 6 B) 10 C) 12 **D) 4,5**
133. 1.2-2 file-» 22 - 25 - - 8 (315035)
 $\frac{0,1^2 - 0,6 \cdot 0,2 + 0,6^2}{2,5 - 2,5^2}$ ni hisoblang.
A) $-\frac{1}{15}$ B) $-\frac{1}{3}$ C) -3 D) $-1\frac{2}{3}$
134. 1.2-2 file-» 5 - 3 - - (401546)
Ikki sonning yig'indisi 8,2 ga teng. Ulardan biri ikkinchisidan 4 marta kichik. Shu sonlarning kattasini toping.
A) 6,56 B) 6 C) 6,24 D) 5,56
135. 1.2-2 file-» 22 - 4 - - (401547)
 $3\frac{3}{4}$ songa teskari sonni toping.
A) $-3\frac{3}{4}$ B) $\frac{15}{4}$ C) $-\frac{4}{15}$ **D) $\frac{4}{15}$**
136. 1.2-2 file-» 22 - 4 - - (401548)
5,2; y; -2 sonlarning o'rta arifmetigi 1,5 ga teng. y ni toping.
A) 1,2 B) -0,8 C) 0,4 **D) 1,3**
137. 1.2-2 file-» 5 - 4 - - (401549)
Ikki sonning yig'indisi 10,8 ga teng. Ulardan biri ikkinchisidan 3 marta kichik. Shu sonlarning kichigini toping.
A) 1,2 **B) 2,7** C) 4,8 D) 5,4
138. 1.2-2 file-» 5 - 5 - - (401550)
Ikki sonning yig'indisi 11,5 ga teng. Ulardan biri ikkinchisidan 4 marta katta bo'lsa, shu sonlarning kattasini toping.
A) 8,4 B) 10,2 C) 9,6 **D) 9,2**
139. 1.2-2 file-» 6 - 3 - - (401551)
 $3,701 \cdot 10^{-3} + 3,305 \cdot 10^{-4}$ yig'indi quyidagi sonlarning qaysi biriga teng?
A) $4,0215 \cdot 10^{-3}$ B) $5,906 \cdot 10^{-7}$
C) $3,4751 \cdot 10^{-3}$ **D) $4,0315 \cdot 10^{-3}$**
140. 1.2-2 file-» 6 - 4 - - (401552)
 $1,015 \cdot 10^{-5} + 4,24 \cdot 10^{-4}$ yig'indi quyidagi sonlarning qaysi biriga teng?
A) $3,2415 \cdot 10^{-4}$ B) $4,2415 \cdot 10^{-4}$
C) $4,155 \cdot 10^{-9}$ **D) $4,3415 \cdot 10^{-4}$**
141. 1.2-2 file-» 22 - 2 - - (401553)
 $\frac{1,65 \cdot 0,04 \cdot 0,85}{0,16 \cdot 0,68 \cdot 3,3}$ ning qiymatini toping.
A) $\frac{5}{32}$ B) $\frac{1}{2}$ C) $\frac{2}{3}$ D) $\frac{1}{6}$
142. 1.2-2 file-» 22 - 2 - - (401554)
 $4\frac{2}{3}$ ga teskari sonni toping.
A) $-4\frac{2}{3}$ **B) $\frac{3}{14}$** C) $\frac{14}{3}$ D) $-\frac{3}{14}$
143. 1.2-2 file-» 22 - 2 - - (401555)
x; -2,1 va 3,3 sonlarining o'rta arifmetigi 0,7 ga teng. x ni toping.
A) 0,9 B) -0,6 C) 0,8 D) -0,3
144. 1.2-2 file-» 22 - 3 - - (401556)
 $\frac{3,2 \cdot 0,15 \cdot 9,2}{4,6 \cdot 0,03 \cdot 19,2}$ ning qiymatini toping.
A) $\frac{5}{3}$ B) $\frac{2}{5}$ C) 2 D) $\frac{5}{2}$
145. 1.2-2 file-» 22 - 3 - - (401557)
 $-5\frac{3}{4}$ ga teskari sonni toping.
A) $5\frac{3}{4}$ B) $-\frac{23}{4}$ **C) $-\frac{4}{23}$** D) $\frac{4}{23}$
146. 1.2-2 file-» 22 - 3 - - (401558)
3; y; 2,1 va 2,1 sonlarining o'rta arifmetigi 2,5 ga teng. y ni toping.
A) 2,8 B) 2,6 C) 2 D) 3,4
147. 1.2-2 file-» 22 - 4 - - (401559)
 $\frac{2,6 \cdot 0,21 \cdot 1,8}{7,2 \cdot 7,8 \cdot 0,28}$ ning qiymatini toping.
A) $\frac{1}{24}$ B) $\frac{2}{5}$ **C) $\frac{1}{16}$** D) $\frac{1}{12}$
148. 1.2-2 file-» 17 - 1 - - (401560)
Xaritada ikki shahar orasidagi masofa 3,5 sm ga teng. Xaritadagi masshtab 1:4000000 bo'lsa, shaharlar orasidagi haqiqiy masofa necha km bo'ladi?
A) 140 B) 210 C) 70 D) 700
149. 1.3-2 file-» 6 - 3 - - (14007)
G'ush t qaynatilganda ўz vaznining 40% ini йўқотади. 7,2 кг қайнатилган гўшт ҳосил қилиш учун қозонга неча кг гўшт солиш керак?
A) 12 B) 9 C) 18 D) 10,8
150. 1.3-2 file-» 6 - 4 - - (14059)
G'ush t qaynatilganda ўz vaznining 40% ini йўқотади. 25 кг гўшт қайнатилганда вазни неча кг камаяди?
A) 12 B) 11 C) 9,5 **D) 10**
151. 1.3-2 file-» 6 - 5 - - (14111)
32 дан 62,4 неча фоиз ортиқ?
A) 90 **B) 95** C) 89,5 D) 85

152. 1.3-2 file-» 6 - 6 - - (14163)
40 дан 29,2 неча фоиз кам?
A) 27 B) 30 C) 22 D) 35
153. 1.3-2 file-» 23 - 2 - - (36438)
Мис ва қўрғошиндан иборат қотишманинг
60% и мис бўлиб, мис қўрғошиндан $1\frac{5}{6}$ кг қўп.
Қотишмада қанча мис бор?
A) 5 B) 7 C) 6 D) 5,5
154. 1.3-2 file-» 16 - 2 - - (56858)
Массаси 400 г ва концентрацияси 16% бўлган
эритма массаси 600 г ва концентрацияси 12%
бўлган эритма билан аралаштирилди. Ҳосил
бўлган аралашманинг концентрациясини (%)
топинг.
A) 11 B) 12 C) 13,6 D) 14,2
155. 1.3-2 file-» 23 - 16 - - 1 (86903)
Маҳсулотнинг нархи 25% га оширилди. Лекин
маҳсулотга талабнинг камлиги туфайли унинг
нархи 12% га камайтирилди. Маҳсулотнинг
охирги нархи дастлабкисига қараганда неча
фоиз ортди?
A) 10 B) 13 C) 12 D) 12,5
156. 1.3-2 file-» 16 - 6 - - 4 (88105)
Агар A, B, C ва D сонларнинг нисбати $2:3:4:2\frac{3}{4}$
каби бўлса, $\frac{A+B}{C+D}$ нинг қийматини аниқланг.
A) $\frac{20}{27}$ B) $\frac{3}{4}$ C) $\frac{5}{9}$ D) $\frac{9}{5}$
157. 1.3-2 file-» 16 - 6 - - 4 (88109)
Ёғлилиги 2% бўлган 80 л сут билан ёғлилиги
5% бўлган неча л сут аралаштирилса,
ёғлилиги 2,6% бўлган сут олиш мумкин?
A) 20 B) 30 C) 40 D) 50
158. 1.3-2 file-» 16 - 6 - - 4 (88130)
Тўғри тўртбурчакнинг бўйи 20% га
орттирилди. Унинг юзи ўзгармаслиги учун
энини неча фоизга камайтириш керак?
A) 20 B) $16\frac{2}{3}$ C) 25 D) $18\frac{1}{3}$
159. 1.3-2 file-» 16 - 7 - - 6 (105879)
Квадратнинг периметри 30% га узайтирилса,
унинг юзи неча фоизга кўпаяди?
A) 69 B) 60 C) 59 D) 44
160. 1.3-2 file-» 16 - 8 - - 3 (131375)
Агар квадратнинг периметри 20% га
камайтирилса, унинг юзи неча фоизга
камаяди?
A) 20 B) 40 C) 36 D) 19
161. 1.3-2 file-» 16 - 11 - - 11 (135962)
14% га арзонлаштирилгандан кейин
маҳсулотнинг баҳоси 2150 сўм бўлди.
Маҳсулотнинг дастлабки баҳосини аниқланг.
A) 2250 B) 2500 C) 2750 D) 3000
162. 1.3-2 file-» 23 - 22 - - 1 (140287)
Маҳсулотнинг нархи кетма-кет икки марта
20% га оширилгандан сўнг 516 сўм бўлди.
Биринчи кўтарилгандан сўнг маҳсулотнинг
нархи неча сўм бўлган?
A) 416 B) 430 C) 480 D) 486
163. 1.3-2 file-» 16 - 12 - - 9 (141719)
720 нинг 50% и 18 нинг 500% идан неча фоиз
кўп?
A) 400 B) 200 C) 300 D) 320
164. 1.3-2 file-» 16 - 12 - - 9 (141720)
Маҳсулотнинг баҳоси 30% га оширилди.
Маълум вақтдан кейин 20% га
арзонлаштирилди, шундан сўнг унинг нархи
8944 сўм бўлди. Маҳсулотнинг дастлабки
баҳоси неча сўм бўлган?
A) 8600 B) 8400 C) 8500 D) 9300
165. 1.3-2 file-» 16 - 12 - - 9 (141721)
А сонининг 25% и В сонининг 20% ига тенг
бўлса, А сони В сонининг неча фоизини
ташқил этади?
A) 80 B) 55 C) 60 D) 40
166. 1.3-2 file-» 31 - 2 - - 5 (146245)
Умумий дафтарнинг баҳоси олдин 15%, кейин
139 сўм арзонлашгач, 150 сўм бўлди.
Дафтарнинг дастлабки баҳоси неча сўм
бўлган?
A) 400 B) 500 C) 350 D) 340
167. 1.3-2 file-» 16 - 13 - - 7 (147410)
 $x(x > 0)$ га тескари бўлган сон x нинг 16% ини
ташқил этади. x нинг қийматини топинг.
A) $2\frac{1}{2}$ B) $2\frac{3}{4}$ C) $2\frac{1}{4}$ D) $3\frac{1}{3}$
168. 1.3-2 file-» 16 - 13 - - 7 (147411)
Маҳсулотнинг нархи кетма-кет икки марта
20% дан оширилди. Кейинчалик бу
маҳсулотга талабнинг камлиги туфайли унинг
нархи 40% га камайтирилди. Маҳсулотнинг
кейинги баҳоси дастлабки баҳосига қараганда
қандай ўзгарган?
A) ўзгармаган B) 1,2% га ортган
C) 13,6% га камайган
D) 8,64% га камайган

169. 1.3-2 file-» 6 - 3 - - (315036)
Go'sht qaynatilganda o'z vaznining 40% ini yo'qotadi. 7,2 kg qaynatilgan go'sht hosil qilish uchun qozonga necha kg go'sht solish kerak?
A) 12 B) 9 C) 18 D) 10,8
170. 1.3-2 file-» 6 - 4 - - (315037)
Go'sht qaynatilganda o'z vaznining 40% ini yo'qotadi. 25 kg go'sht qaynatilganda vazni necha kg kamayadi?
A) 12 B) 11 C) 9,5 D) 10
171. 1.3-2 file-» 6 - 5 - - (315038)
32 dan 62,4 necha foiz ortiq?
A) 90 B) 95 C) 89,5 D) 85
172. 1.3-2 file-» 6 - 6 - - (315039)
40 dan 29,2 necha foiz kam?
A) 27 B) 30 C) 22 D) 35
173. 1.3-2 file-» 23 - 2 - - (315040)
Mis va qo'rg'oshindan iborat qotishmaning 60% i mis bo'lib, mis qo'rg'oshindan $1\frac{5}{6}$ kg ko'p. Qotishmada qancha mis bor?
A) 5 B) 7 C) 6 D) 5,5
174. 1.3-2 file-» 16 - 2 - - (315041)
Massasi 400 g va konsentratsiyasi 16% bo'lgan eritma massasi 600 g va konsentratsiyasi 12% bo'lgan eritma bilan aralashtirildi. Hosil bo'lgan aralashmaning konsentratsiyasini (%) toping.
A) 11 B) 12 C) 13,6 D) 14,2
175. 1.3-2 file-» 23 - 16 - - 1 (315042)
Mahsulotning narxi 25% ga oshirildi. Lekin mahsulotga talabning kamligi tufayli uning narxi 12% ga kamaytirildi. Mahsulotning oxirgi narxi dastlabkisiga qaraganda necha foiz ortdi?
A) 10 B) 13 C) 12 D) 12,5
176. 1.3-2 file-» 16 - 6 - - 4 (315043)
Agar A, B, C va D sonlarning nisbati $2:3:4:2\frac{3}{4}$ kabi bo'lsa, $\frac{A+B}{C+D}$ ning qiymatini aniqlang.
A) $\frac{20}{27}$ B) $\frac{3}{4}$ C) $\frac{5}{9}$ D) $\frac{9}{5}$
177. 1.3-2 file-» 16 - 6 - - 4 (315044)
Yog'liligi 2% bo'lgan 80 l sut bilan yog'liligi 5% bo'lgan necha l sut aralashtirilsa, yog'liligi 2,6% bo'lgan sut olish mumkin?
A) 20 B) 30 C) 40 D) 50
178. 1.3-2 file-» 16 - 6 - - 4 (315045)
To'g'ri to'rtburchakning bo'yi 20% ga orttirildi. Uning yuzi o'zgarmasligi uchun enini necha foizga kamaytirish kerak?
A) 20 B) $16\frac{2}{3}$ C) 25 D) $18\frac{1}{3}$
179. 1.3-2 file-» 16 - 7 - - 6 (315046)
Kvadratning perimetri 30% ga uzaytirilsa, uning yuzi necha foizga ko'payadi?
A) 69 B) 60 C) 59 D) 44
180. 1.3-2 file-» 16 - 8 - - 3 (315047)
Agar kvadratning perimetri 20% ga kamaytirilsa, uning yuzi necha foizga kamayadi?
A) 20 B) 40 C) 36 D) 19
181. 1.3-2 file-» 16 - 11 - - 11 (315048)
14% ga arzonlashtirilgandan keyin mahsulotning bahosi 2150 so'm bo'ldi. Mahsulotning dastlabki bahosini aniqlang.
A) 2250 B) 2500 C) 2750 D) 3000
182. 1.3-2 file-» 23 - 22 - - 1 (315049)
Mahsulotning narxi ketma-ket ikki marta 20% ga oshirilgandan so'ng 516 so'm bo'ldi. Birinchi ko'tarilgandan so'ng mahsulotning narxi necha so'm bo'lgan?
A) 416 B) 430 C) 480 D) 486
183. 1.3-2 file-» 16 - 12 - - 9 (315050)
720 ning 50% i 18 ning 500% idan necha foiz ko'p?
A) 400 B) 200 C) 300 D) 320
184. 1.3-2 file-» 16 - 12 - - 9 (315051)
Mahsulotning bahosi 30% ga oshirildi. Ma'lum vaqtdan keyin 20% ga arzonlashtirildi, shundan so'ng uning narxi 8944 so'm bo'ldi. Mahsulotning dastlabki bahosi necha so'm bo'lgan?
A) 8600 B) 8400 C) 8500 D) 9300
185. 1.3-2 file-» 16 - 12 - - 9 (315052)
A sonining 25% i B sonining 20% iga teng bo'lsa, A soni B sonining necha foizini tashkil etadi?
A) 80 B) 55 C) 60 D) 40
186. 1.3-2 file-» 31 - 2 - - 5 (315053)
Umumiy daftarning bahosi oldin 15%, keyin 139 so'm arzonlashgach, 150 so'm bo'ldi. Daftarning dastlabki bahosi necha so'm bo'lgan?
A) 400 B) 500 C) 350 D) 340
187. 1.3-2 file-» 16 - 13 - - 7 (315054)
 $x(x > 0)$ ga teskari bo'lgan son x ning 16% ini tashkil etadi. x ning qiymatini toping.
A) $2\frac{1}{2}$ B) $2\frac{3}{4}$ C) $2\frac{1}{4}$ D) $3\frac{1}{3}$

188. 1.3-2 file-» 16 - 13 - - 7 (315055)
 Mahsulotning narxi ketma-ket ikki marta 20% dan oshirildi. Keyinchalik bu mahsulotga talabning kamligi tufayli uning narxi 40% ga kamaytirildi. Mahsulotning keyingi bahosi dastlabki bahosiga qaraganda qanday o'zgargan?
 A) o'zgarmagan B) 1,2% ga ortgan
C) 13,6% ga kamaygan
 D) 8,64% ga kamaygan
189. 1.3-2 file-» 50 - 113 - - (401561)
 Ikkita buyumning birgalikdagi bahosi 35800 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisniki esa 15% orttirilsa, ular birgalikda 38070 so'm turadi. Birinchi buyumning dastlabki bahosini toping.
A) 12400 B) 23300 C) 13640 D) 25740
190. 1.3-2 file-» 50 - 113 - - (401562)
 Ikkita buyumning birgalikdagi bahosi 53700 so'm turadi. Agar birinchi buyumning bahosi 20% kamaytirilsa, ikkinchisniki esa 10% orttirilsa, ular birgalikda 53490 so'm turadi. Birinchi buyumning dastlabki bahosini toping.
 A) 35000 B) 18600 C) 22320 D) 42120
191. 1.3-2 file-» 50 - 113 - - (401563)
 Ikkita buyumning birgalikdagi bahosi 107400 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisniki esa 25% orttirilsa, ular birgalikda 119370 so'm turadi. Birinchi buyumning dastlabki bahosini toping.
 A) 42780 B) 70100 C) 37200 D) 80730
192. 1.3-2 file-» 50 - 113 - - (401564)
 Ikkita buyumning birgalikdagi bahosi 75100 so'm turadi. Agar birinchi buyumning bahosi 20% kamaytirilsa, ikkinchisniki esa 10% orttirilsa, ular birgalikda 65870 so'm turadi. Birinchi buyumning dastlabki bahosini toping.
 A) 23160 B) 19200 C) 66960 D) 55800
193. 1.3-2 file-» 50 - 113 - - (401565)
 Ikkita buyumning birgalikdagi bahosi 16110 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisniki esa 20% orttirilsa, ular birgalikda 17658 so'm turadi. Birinchi buyumning dastlabki bahosini toping.
A) 5580 B) 10430 C) 6138 D) 15583
194. 1.3-2 file-» 50 - 113 - - (401566)
 Ikkita buyumning birgalikdagi bahosi 35000 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisniki esa 20% orttirilsa, ular birgalikda 37660 so'm turadi. Birinchi buyumning dastlabki bahosini toping.
 A) 22500 B) 12400 C) 14260 D) 25990
195. 1.3-2 file-» 50 - 113 - - (401567)
 Ikkita buyumning birgalikdagi bahosi 25700 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisniki esa 20% orttirilsa, ular birgalikda 26465 so'm turadi. Birinchi buyumning dastlabki bahosini toping.
 A) 14375 B) 13100 C) 12500 D) 15180
196. 1.3-2 file-» 50 - 113 - - (401568)
 Ikkita buyumning birgalikdagi bahosi 30000 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisniki esa 25% orttirilsa, ular birgalikda 32220 so'm turadi. Birinchi buyumning dastlabki bahosini toping.
 A) 19320 B) 16700 C) 15180 D) 13200
197. 1.3-2 file-» 50 - 113 - - (401569)
 Ikkita buyumning birgalikdagi bahosi 64600 so'm turadi. Agar birinchi buyumning bahosi 25% kamaytirilsa, ikkinchisniki esa 15% orttirilsa, ular birgalikda 65330 so'm turadi. Birinchi buyumning dastlabki bahosini toping.
A) 22400 B) 42100 C) 28000 D) 52750
198. 1.3-2 file-» 50 - 113 - - (401570)
 Ikkita buyumning birgalikdagi bahosi 57700 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisniki esa 25% orttirilsa, ular birgalikda 59285 so'm turadi. Birinchi buyumning dastlabki bahosini toping.
 A) 25500 B) 32100 C) 36915 D) 29440
199. 1.3-2 file-» 50 - 113 - - (401571)
 Ikkita buyumning birgalikdagi bahosi 35600 so'm turadi. Agar birinchi buyumning bahosi 25% kamaytirilsa, ikkinchisniki esa 15% orttirilsa, ular birgalikda 31980 so'm turadi. Birinchi buyumning dastlabki bahosini toping.
 A) 28000 B) 13100 C) 22400 D) 16500
200. 1.3-2 file-» 50 - 113 - - (401572)
 Ikkita buyumning birgalikdagi bahosi 45300 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisniki esa 20% orttirilsa, ular birgalikda 43125 so'm turadi. Birinchi buyumning dastlabki bahosini toping.
 A) 15180 B) 13100 C) 36915 D) 32100
201. 1.3-2 file-» 50 - 113 - - (401573)
 Ikkita buyumning birgalikdagi bahosi 39000 so'm turadi. Agar birinchi buyumning bahosi 20% kamaytirilsa, ikkinchisniki esa 15% orttirilsa, ular birgalikda 35890 so'm turadi. Birinchi buyumning dastlabki bahosini toping.
A) 25600 B) 13300 C) 30720 D) 16080

202. 1.3-2 file-» 50 - 113 - - (401574)
Ikkita buyumning birgalikdagi bahosi 40000 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 20% orttirilsa, ular birgalikda 39005 so'm turadi. Birinchi buyumning dastlabki bahosini toping.
A) 14200 B) 25700 C) 29555 D) 16445
203. 1.3-2 file-» 50 - 113 - - (401575)
Ikkita buyumning birgalikdagi bahosi 60000 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 20% orttirilsa, ular birgalikda 66120 so'm turadi. Birinchi buyumning dastlabki bahosini toping.
A) 19320 B) 43100 C) 16800 D) 49680
204. 1.3-2 file-» 50 - 113 - - (401576)
Ikkita buyumning birgalikdagi bahosi 51100 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 10% orttirilsa, ular birgalikda 49560 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.
A) 24500 B) 26500 C) 20510 D) 22925
205. 1.3-2 file-» 50 - 113 - - (401577)
Ikkita buyumning birgalikdagi bahosi 57900 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 10% orttirilsa, ular birgalikda 55040 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.
A) 34500 B) 23300 C) 18110 D) 31105
206. 1.3-2 file-» 50 - 113 - - (401578)
Ikkita buyumning birgalikdagi bahosi 61900 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 10% orttirilsa, ular birgalikda 60990 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.
A) 29240 B) 28300 C) 33500 D) 23375
207. 1.3-2 file-» 50 - 113 - - (401579)
Ikkita buyumning birgalikdagi bahosi 75600 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 76140 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.
A) 39960 B) 43100 C) 28080 D) 32400
208. 1.3-2 file-» 50 - 113 - - (401580)
Ikkita buyumning birgalikdagi bahosi 76700 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 20% orttirilsa, ular birgalikda 81990 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.
A) 43200 B) 33400 C) 39850 D) 29180
209. 1.3-2 file-» 50 - 113 - - (401581)
Ikkita buyumning birgalikdagi bahosi 63000 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisiniki esa 10% orttirilsa, ular birgalikda 60650 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.
A) 34500 B) 28400 C) 23210 D) 30340
210. 1.3-2 file-» 50 - 113 - - (401582)
Ikkita buyumning birgalikdagi bahosi 62800 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 65145 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.
A) 31670 B) 28200 C) 34500 D) 24850
211. 1.3-2 file-» 50 - 113 - - (401583)
Ikkita buyumning birgalikdagi bahosi 43500 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 45100 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.
A) 17320 B) 19600 C) 21830 D) 23800
212. 1.3-2 file-» 50 - 113 - - (401584)
Ikkita buyumning birgalikdagi bahosi 60000 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 60650 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.
A) 26600 B) 33300 C) 23260 D) 30740
213. 1.3-2 file-» 50 - 113 - - (401585)
Ikkita buyumning birgalikdagi bahosi 54400 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 56985 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.
A) 22200 B) 32100 C) 29870 D) 19090
214. 1.3-2 file-» 50 - 113 - - (401586)
Ikkita buyumning birgalikdagi bahosi 73500 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 76075 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.
A) 36320 B) 33700 C) 39700 D) 29830
215. 1.3-2 file-» 50 - 113 - - (401587)
Ikkita buyumning birgalikdagi bahosi 67400 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisiniki esa 15% orttirilsa, ular birgalikda 66735 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.
A) 40670 B) 43000 C) 19990 D) 24300

216. 1.3-2 file-» 50 - 113 - - (401588)
Ikkita buyumning birgalikdagi bahosi 77500 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisidiki esa 15% orttirilsa, ular birgalikda 78575 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.
A) 35300 B) 42100 C) 31080 D) 38670
217. 1.3-2 file-» 50 - 113 - - (401589)
Ikkita buyumning birgalikdagi bahosi 62300 so'm turadi. Agar birinchi buyumning bahosi 15% kamaytirilsa, ikkinchisidiki esa 10% orttirilsa, ular birgalikda 59630 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.
A) 35500 **B) 26700** C) 21360 D) 31595
218. 1.3-2 file-» 50 - 113 - - (401590)
Ikkita buyumning birgalikdagi bahosi 62000 so'm turadi. Agar birinchi buyumning bahosi 10% kamaytirilsa, ikkinchisidiki esa 15% orttirilsa, ular birgalikda 64625 so'm turadi. Ikkinchi buyumning dastlabki bahosini toping.
A) 32630 B) 26600 **C) 35300** D) 23170
219. 1.3-3 file-» 13 - 1 - - 1 (64194)
1040 soni shunday ikki b'ulakka b'ulinganiki, ulardan birining 80% i ikkinchisining 24% ini tashkil qilaadi. B'ulaklarning kichigini toping.
A) 800 **B) 240** C) 500 D) 460
220. 1.3-3 file-» 22 - 19 - - 4 (69918)
Ikki cex 690 ta kir yuvish mashinasi ishlab chiqarishi kerak. Birinchi cex ishlab chiqargan mahsulotning $\frac{2}{9}$ qismi ikkinchi cex ishlab chiqargan mahsulotning 80% iga teng. Birinchi cex qancha mahsulot ishlab chiqargan?
A) 150 B) 180 C) 240 **D) 540**
221. 1.3-3 file-» 16 - 4 - - 11 (72700)
Korxonada mahsulot ishlab chiqarish birinchi yili 18% ga, ikkinchi yili 15% ga ortdi. Mahsulot ishlab chiqarish ikki yil mobaynida necha foizga ortgan?
A) 35,7 B) 34,7 C) 35 D) 33
222. 1.3-3 file-» 16 - 6 - - 4 (88107)
Agar kubning qirrasini 10% ga kamaytirilsa, uning hajmi necha foizga kamayadi?
A) 27,1 B) 30 C) 26,1 D) 30,8
223. 1.3-3 file-» 5 - 11 - - 5 (93370)
Cexda 120 ta samovar va 25 ta patnis yasalgan. Sarf qilingan xamma materialning 0,96 qismi samovarga ketgan. Agar har bir samovarning o'g'irliigi 3,6 kg dan b'ulsa, har bir patnis necha kg b'ulgan?
A) 0,8 B) 0,04 **C) 0,72** D) 0,9
224. 1.3-3 file-» 5 - 11 - - 5 (93372)
Birinchi son 80 ga teng. Ikkinchi son birinchi sonning 80% ini, uchinchi esa birinchi va ikkinchi son yig'indisining 50% ini tashkil qilaadi. Bu sonlarning y'orta arifmetigini toping.
A) 80 B) 64 **C) 72** D) 54
225. 1.3-3 file-» 16 - 7 - - 6 (105880)
Ishlab chiqarish samaradorligi birinchi yili 15% ga, ikkinchi yili 16% ga ortdi. Shu ikki yil ichida samaradorlik necha foizga ortgan?
A) 32,4 **B) 33,4** C) 34,4 D) 31
226. 1.3-3 file-» 16 - 7 - - 6 (105882)
 x ning y ga nisbati 9:7 kaabi, y ning z ga nisbati 14:15 kaabi. z ning necha foizini x tashkil etaadi?
A) 120 B) 140 C) 80 D) 160
227. 1.3-3 file-» 2 - 40 - - 8 (109597)
15 kg eritmaning 40 foizi tuzdan iborat. Tuzning miqdori 25 foiz b'ulishi uchun eritмага necha kg ch'uchuk suv q'ushiish kerak?
A) 9 B) 6 C) 10 D) 8
228. 1.3-3 file-» 27 - 1 - - 5 (113227)
11300 ning 36% i va 9000 ning 28% i yig'indisi shu sonlar yig'indisining 40% idan qanchaga kam?
A) 1532 B) 1432 C) 1632 D) 1528
229. 1.3-3 file-» 27 - 2 - - 8 (113277)
Ikkita musbat sonning y'orta arifmetigi 6,5 ga teng. Ularning y'orta geometrigi esa shu sonlarning y'orta arifmetigini $\frac{12}{13}$ qismini tashkil etaadi. Berilgan sonlarni toping.
A) 12 va 3 B) 12 va 1 C) 7 va 6 **D) 9 va 4**
230. 1.3-3 file-» 22 - 23 - - 6 (134288)
Birinchi son 0,75 ga, ikkinchi son 0,15 ga teng. Birinchi son ikkinchi son dan necha foiz ortiq?
A) 400 B) 500 C) 300 D) 40
231. 1.3-3 file-» 16 - 11 - - 11 (135963)
 x y ning 75% ini tashkil etaadi, y esa z dan 300% ga k'up. x z dan necha foiz k'up?
A) 100 B) 80 **C) 200** D) 250
232. 1.3-3 file-» 16 - 11 - - 11 (135998)
Y'il bo'shida y'g'il bolalar sinfda gi y'quvchilarning 30% ini, qizlar esa 21 nafarni tashkil etardi. Y'ilning y'rtasida sinfda 6 ta yangi y'g'il bola keladi va 11 ta qiz bo'shqa sinfda y'rtadi. Shundan s'ung y'g'il bolalar sinfda gi y'quvchilarning necha foizini tashkil etaadi?
A) 70 B) 50 C) 55 **D) 60**

233. 1.3-3 file-» 19 - 6 - - 8 (136382)
 Дафтарнинг нархи кетма-кет икки марта бир хил фоизга пасайтирилгандан кейин, 90 сўмдан 72,9 сўмга тушди. Дафтарнинг нархи ҳар гал неча фоизга пасайтирилган?
 A) 20 B) 9 C) 15 D) 10
234. 1.3-3 file-» 13 - 1 - - 1 (315056)
 1040 soni shunday ikki bo'lakka bo'linganki, ulardan birining 80% i ikkinchisining 24% ini tashkil qiladi. Bo'laklarning kichigini toping.
 A) 800 B) 240 C) 500 D) 460
235. 1.3-3 file-» 22 - 19 - - 4 (315057)
 Ikki sex 690 ta kir yuvish mashinasi ishlab chiqarishi kerak. Birinchi sex ishlab chiqargan mahsulotning $\frac{2}{9}$ qismi ikkinchi sex ishlab chiqargan mahsulotning 80% iga teng. Birinchi sex qancha mahsulot ishlab chiqargan?
 A) 150 B) 180 C) 240 D) 540
236. 1.3-3 file-» 16 - 4 - - 11 (315058)
 Korxonada mahsulot ishlab chiqarish birinchi yili 18% ga, ikkinchi yili 15% ga ortdi. Mahsulot ishlab chiqarish ikki yil mobaynida necha foizga ortgan?
A) 35,7 B) 34,7 C) 35 D) 33
237. 1.3-3 file-» 16 - 6 - - 4 (315059)
 Agar kubning qirrasi 10% ga kamaytirilsa, uning hajmi necha foizga kamayadi?
A) 27,1 B) 30 C) 26,1 D) 30,8
238. 1.3-3 file-» 5 - 11 - - 5 (315060)
 Sexda 120 ta samovar va 25 ta patnis yasalgan. Sarf qilingan hamma materialning 0,96 qismi samovarga ketgan. Agar har bir samovarning og'irligi 3,6 kg dan bo'lsa, har bir patnis necha kg bo'lgan?
 A) 0,8 B) 0,04 C) 0,72 D) 0,9
239. 1.3-3 file-» 5 - 11 - - 5 (315061)
 Birinchi son 80 ga teng. Ikkinchi son birinchi sonning 80% ini, uchinchisi esa birinchi va ikkinchi son yig'indisining 50% ini tashkil qiladi. Bu sonlarning o'rta arifmetigini toping.
 A) 80 B) 64 C) 72 D) 54
240. 1.3-3 file-» 16 - 7 - - 6 (315062)
 Ishlab chiqarish samaradorligi birinchi yili 15% ga, ikkinchi yili 16% ga ortdi. Shu ikki yil ichida samaradorlik necha foizga ortgan?
 A) 32,4 B) 33,4 C) 34,4 D) 31
241. 1.3-3 file-» 16 - 7 - - 6 (315063)
 x ning y ga nisbati 9:7 kabi, y ning z ga nisbati 14:15 kabi. z ning necha foizini x tashkil etadi?
A) 120 B) 140 C) 80 D) 160
242. 1.3-3 file-» 2 - 40 - - 8 (315064)
 15 kg eritmaning 40 foizi tuzdan iborat. Tuzning miqdori 25 foiz bo'lishi uchun eritmaga necha kg chuchuk suv qo'shish kerak?
A) 9 B) 6 C) 10 D) 8
243. 1.3-3 file-» 27 - 1 - - 5 (315065)
 11300 ning 36% i va 9000 ning 28% i yig'indisi shu sonlar yig'indisining 40% idan qanchaga kam?
A) 1532 B) 1432 C) 1632 D) 1528
244. 1.3-3 file-» 27 - 2 - - 8 (315066)
 Ikkita musbat sonning o'rta arifmetigi 6,5 ga teng. Ularning o'rta geometrigi esa shu sonlarning o'rta arifmetigini $\frac{12}{13}$ qismini tashkil etadi. Berilgan sonlarni toping.
 A) 12 va 3 B) 12 va 1 C) 7 va 6 D) 9 va 4
245. 1.3-3 file-» 22 - 23 - - 6 (315067)
 Birinchi son 0,75 ga, ikkinchi son 0,15 ga teng. Birinchi son ikkinchi sondan necha foiz ortiq?
A) 400 B) 500 C) 300 D) 40
246. 1.3-3 file-» 16 - 11 - - 11 (315068)
 $x y$ ning 75% ini tashkil etadi, y esa z dan 300% ga ko'p. $x z$ dan necha foiz ko'p?
 A) 100 B) 80 C) 200 D) 250
247. 1.3-3 file-» 16 - 11 - - 11 (315069)
 Yil boshida o'g'il bolalar sinfdagi o'quvchilarning 30% ini, qizlar esa 21 nafarni tashkil etardi. Yilning o'rtasida sinfga 6 ta yangi o'g'il bola keldi va 11 ta qiz boshqa sinfga o'tdi. Shundan so'ng o'g'il bolalar sinfdagi o'quvchilarning necha foizini tashkil etadi?
 A) 70 B) 50 C) 55 D) 60
248. 1.3-3 file-» 19 - 6 - - 8 (315070)
 Daftarning narxi kетma-кет ikki marta bir xil foizga pasaytirilgandan keyin, 90 so'mdan 72,9 so'mga tushdi. Daftarning narxi har gal necha foizga pasaytirilgan?
 A) 20 B) 9 C) 15 D) 10
249. 1.3-3 file-» 50 - 114 - - (401591)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 156 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
A) 260 B) 200 C) 360 D) 350

250. 1.3-3 file-» 50 - 114 - - (401592)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 168 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 220 **B) 280** C) 390 D) 380
251. 1.3-3 file-» 50 - 114 - - (401593)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 180 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 420 B) 230 **C) 300** D) 410
252. 1.3-3 file-» 50 - 114 - - (401594)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 192 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 440 B) 250 C) 450 **D) 320**
253. 1.3-3 file-» 50 - 114 - - (401595)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 204 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
A) 340 B) 260 C) 470 D) 460
254. 1.3-3 file-» 50 - 114 - - (401596)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 195 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 240 **B) 325** C) 440 D) 430
255. 1.3-3 file-» 50 - 114 - - (401597)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 210 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 480 B) 260 **C) 350** D) 470
256. 1.3-3 file-» 50 - 114 - - (401598)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 225 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 500 B) 280 C) 510 **D) 375**
257. 1.3-3 file-» 50 - 114 - - (401599)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 240 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
A) 400 B) 290 C) 540 D) 530
258. 1.3-3 file-» 50 - 114 - - (401600)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 255 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 310 **B) 425** C) 570 D) 560
259. 1.3-3 file-» 50 - 114 - - (401601)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 16% i birorta ham masalani yecha olmadi, 182 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 4 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 430 B) 240 **C) 325** D) 420

260. 1.3-3 file-» 50 - 114 - - (401602)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 16% i birorta ham masalani yecha olmadi, 196 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 4 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 450 B) 260 C) 460 D) 350
261. 1.3-3 file-» 50 - 114 - - (401603)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 16% i birorta ham masalani yecha olmadi, 210 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 4 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
A) 375 B) 280 C) 500 D) 490
262. 1.3-3 file-» 50 - 114 - - (401604)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 16% i birorta ham masalani yecha olmadi, 224 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 4 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 290 B) 400 C) 520 D) 510
263. 1.3-3 file-» 50 - 114 - - (401605)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 16% i birorta ham masalani yecha olmadi, 238 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 4 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 550 B) 310 C) 425 D) 540
264. 1.3-3 file-» 50 - 114 - - (401606)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 10% i birorta ham masalani yecha olmadi, 299 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 2 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 640 B) 350 C) 650 D) 460
265. 1.3-3 file-» 50 - 114 - - (401607)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 10% i birorta ham masalani yecha olmadi, 312 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 2 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
A) 480 B) 370 C) 690 D) 680
266. 1.3-3 file-» 50 - 114 - - (401608)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 10% i birorta ham masalani yecha olmadi, 325 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 2 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 380 B) 500 C) 710 D) 700
267. 1.3-3 file-» 50 - 114 - - (401609)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 10% i birorta ham masalani yecha olmadi, 338 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 2 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 740 B) 400 C) 520 D) 730
268. 1.3-3 file-» 50 - 114 - - (401610)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 10% i birorta ham masalani yecha olmadi, 351 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 2 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 770 B) 410 C) 760 D) 540
269. 1.3-3 file-» 50 - 114 - - (401611)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 396 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
A) 660 B) 500 C) 900 D) 890

270. 1.3-3 file-» 50 - 114 - - (401612)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 408 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 520 **B) 680** C) 930 D) 920
271. 1.3-3 file-» 50 - 114 - - (401613)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 420 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 960 B) 530 **C) 700** D) 950
272. 1.3-3 file-» 50 - 114 - - (401614)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 432 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 980 B) 550 C) 990 **D) 720**
273. 1.3-3 file-» 50 - 114 - - (401615)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 15% i birorta ham masalani yecha olmadi, 444 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 5 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
A) 740 B) 560 C) 1010 D) 1000
274. 1.3-3 file-» 50 - 114 - - (401616)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 345 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 420 **B) 575** C) 770 D) 760
275. 1.3-3 file-» 50 - 114 - - (401617)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 360 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 810 B) 440 **C) 600** D) 800
276. 1.3-3 file-» 50 - 114 - - (401618)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 375 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 830 B) 460 C) 840 **D) 625**
277. 1.3-3 file-» 50 - 114 - - (401619)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 390 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
A) 650 B) 470 C) 870 D) 860
278. 1.3-3 file-» 50 - 114 - - (401620)
 Matematikadan o'tkazilgan imtihonda o'quvchilarning 12% i birorta ham masalani yecha olmadi, 405 ta o'quvchi masalalarni yechishda xatolikka yo'l qo'ydi. Agar barcha masalalarni to'liq yechgan o'quvchilarning masalalarni umuman yecha olmagan o'quvchilarga nisbati 7 : 3 kabi bo'lsa, qancha o'quvchi imtihon topshirgan?
 A) 490 **B) 675** C) 900 D) 890
279. 1.3-3 file-» 50 - 119 - - (704025)
 To'rtta sonning yig'indisi 161 ga teng. Ulardan dastlabki uchtasi 4, 5 va 8 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 6 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 35 B) 30 C) 45 D) 40
280. 1.3-3 file-» 50 - 119 - - (704026)
 To'rtta sonning yig'indisi 192 ga teng. Ulardan dastlabki uchtasi 4, 5 va 9 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 6 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.
 A) 45 **B) 40** C) 35 D) 50

281. 1.3-3 file-» 50 - 119 - - (704027)
To'rtta sonning yig'indisi 234 ga teng. Ulardan dastlabki uchtasi 4, 5 va 10 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 7 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 55 B) 50 C) 45 D) 40
282. 1.3-3 file-» 50 - 119 - - (704028)
To'rtta sonning yig'indisi 270 ga teng. Ulardan dastlabki uchtasi 4, 5 va 11 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 7 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 45 B) 60 C) 55 D) 50
283. 1.3-3 file-» 50 - 119 - - (704029)
To'rtta sonning yig'indisi 308 ga teng. Ulardan dastlabki uchtasi 4, 5 va 12 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 7 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 55 B) 50 C) 65 D) 60
284. 1.3-3 file-» 50 - 119 - - (704030)
To'rtta sonning yig'indisi 144 ga teng. Ulardan dastlabki uchtasi 4, 5 va 9 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 6 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 35 B) 30 C) 25 D) 40
285. 1.3-3 file-» 50 - 119 - - (704031)
To'rtta sonning yig'indisi 182 ga teng. Ulardan dastlabki uchtasi 4, 5 va 10 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 7 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 45 B) 40 C) 35 D) 30
286. 1.3-3 file-» 50 - 119 - - (704032)
To'rtta sonning yig'indisi 216 ga teng. Ulardan dastlabki uchtasi 4, 5 va 11 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 7 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 35 B) 50 C) 45 D) 40
287. 1.3-3 file-» 50 - 119 - - (704033)
To'rtta sonning yig'indisi 252 ga teng. Ulardan dastlabki uchtasi 4, 5 va 12 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 7 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 45 B) 40 C) 55 D) 50
288. 1.3-3 file-» 50 - 119 - - (704034)
To'rtta sonning yig'indisi 300 ga teng. Ulardan dastlabki uchtasi 4, 5 va 13 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 8 va 4 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 55 B) 50 C) 45 D) 60
289. 1.3-3 file-» 50 - 119 - - (704035)
To'rtta sonning yig'indisi 161 ga teng. Ulardan dastlabki uchtasi 4, 5 va 8 sonlariga to'g'ri proporsional ikkinchi va to'rtinchi sonlar esa 6 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.
A) 72 B) 64 C) 56 D) 48
290. 1.3-3 file-» 50 - 119 - - (704036)
To'rtta sonning yig'indisi 192 ga teng. Ulardan dastlabki uchtasi 4, 5 va 9 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 6 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.
A) 63 B) 90 C) 81 D) 72
291. 1.3-3 file-» 50 - 119 - - (704037)
To'rtta sonning yig'indisi 234 ga teng. Ulardan dastlabki uchtasi 4, 5 va 10 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 7 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.
A) 90 B) 80 C) 110 D) 100
292. 1.3-3 file-» 50 - 119 - - (704038)
To'rtta sonning yig'indisi 270 ga teng. Ulardan dastlabki uchtasi 4, 5 va 11 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 7 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.
A) 121 B) 110 C) 99 D) 132
293. 1.3-3 file-» 50 - 119 - - (704039)
To'rtta sonning yig'indisi 308 ga teng. Ulardan dastlabki uchtasi 4, 5 va 12 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 7 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.
A) 156 B) 144 C) 132 D) 120
294. 1.3-3 file-» 50 - 119 - - (704040)
To'rtta sonning yig'indisi 144 ga teng. Ulardan dastlabki uchtasi 4, 5 va 9 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 6 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.
A) 45 B) 72 C) 63 D) 54

295. 1.3-3 file-» 50 - 119 - - (704041)
To'rtta sonning yig'indisi 182 ga teng. Ulardan dastlabki uchtasi 4, 5 va 10 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 7 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.
A) 70 B) 60 C) 90 D) 80
296. 1.3-3 file-» 50 - 119 - - (704042)
To'rtta sonning yig'indisi 216 ga teng. Ulardan dastlabki uchtasi 4, 5 va 11 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 7 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.
A) 99 B) 88 C) 77 D) 110
297. 1.3-3 file-» 50 - 119 - - (704043)
To'rtta sonning yig'indisi 252 ga teng. Ulardan dastlabki uchtasi 4, 5 va 12 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 7 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.
A) 132 B) 120 C) 108 D) 96
298. 1.3-3 file-» 50 - 119 - - (704044)
To'rtta sonning yig'indisi 300 ga teng. Ulardan dastlabki uchtasi 4, 5 va 13 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 8 va 5 sonlariga teskari proporsional. Uchinchi sonni toping.
A) 117 B) 156 C) 143 D) 130
299. 1.3-3 file-» 50 - 119 - - (704045)
To'rtta sonning yig'indisi 161 ga teng. Ulardan dastlabki uchtasi 4, 5 va 8 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 6 va 8 sonlariga teskari proporsional. Birinchi sonni toping.
A) 28 B) 24 C) 36 D) 32
300. 1.3-3 file-» 50 - 119 - - (704046)
To'rtta sonning yig'indisi 192 ga teng. Ulardan dastlabki uchtasi 4, 5 va 9 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 6 va 9 sonlariga teskari proporsional. Birinchi sonni toping.
A) 36 B) 32 C) 28 D) 40
301. 1.3-3 file-» 50 - 119 - - (704047)
To'rtta sonning yig'indisi 234 ga teng. Ulardan dastlabki uchtasi 4, 5 va 10 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 7 va 10 sonlariga teskari proporsional. Birinchi sonni toping.
A) 44 B) 40 C) 36 D) 32
302. 1.3-3 file-» 50 - 119 - - (704048)
To'rtta sonning yig'indisi 270 ga teng. Ulardan dastlabki uchtasi 4, 5 va 11 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 7 va 11 sonlariga teskari proporsional. Birinchi sonni toping.
A) 36 B) 48 C) 44 D) 40
303. 1.3-3 file-» 50 - 119 - - (704049)
To'rtta sonning yig'indisi 308 ga teng. Ulardan dastlabki uchtasi 4, 5 va 12 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 7 va 12 sonlariga teskari proporsional. Birinchi sonni toping.
A) 44 B) 40 C) 52 D) 48
304. 1.3-3 file-» 50 - 119 - - (704050)
To'rtta sonning yig'indisi 144 ga teng. Ulardan dastlabki uchtasi 4, 5 va 9 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 6 va 9 sonlariga teskari proporsional. Birinchi sonni toping.
A) 28 B) 24 C) 20 D) 32
305. 1.3-3 file-» 50 - 119 - - (704051)
To'rtta sonning yig'indisi 182 ga teng. Ulardan dastlabki uchtasi 4, 5 va 10 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 7 va 10 sonlariga teskari proporsional. Birinchi sonni toping.
A) 36 B) 32 C) 28 D) 24
306. 1.3-3 file-» 50 - 119 - - (704052)
To'rtta sonning yig'indisi 216 ga teng. Ulardan dastlabki uchtasi 4, 5 va 11 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 7 va 11 sonlariga teskari proporsional. Birinchi sonni toping.
A) 28 B) 40 C) 36 D) 32
307. 1.3-3 file-» 50 - 119 - - (704053)
To'rtta sonning yig'indisi 252 ga teng. Ulardan dastlabki uchtasi 4, 5 va 12 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 7 va 12 sonlariga teskari proporsional. Birinchi sonni toping.
A) 36 B) 32 C) 44 D) 40
308. 1.3-3 file-» 50 - 119 - - (704054)
To'rtta sonning yig'indisi 300 ga teng. Ulardan dastlabki uchtasi 4, 5 va 13 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 8 va 13 sonlariga teskari proporsional. Birinchi sonni toping.
A) 44 B) 40 C) 36 D) 48

309. 1.3-3 file-» 50 - 127 - - (719023)
To'rtta sonning yig'indisi 189 ga teng. Ulardan dastlabki uchtasi 5, 6 va 9 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 7 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 42 B) 36 C) 54 D) 48
310. 1.3-3 file-» 50 - 127 - - (719024)
To'rtta sonning yig'indisi 224 ga teng. Ulardan dastlabki uchtasi 5, 6 va 10 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 7 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 54 B) 48 C) 42 D) 60
311. 1.3-3 file-» 50 - 127 - - (719025)
To'rtta sonning yig'indisi 270 ga teng. Ulardan dastlabki uchtasi 5, 6 va 11 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 8 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 66 B) 60 C) 54 D) 48
312. 1.3-3 file-» 50 - 127 - - (719026)
To'rtta sonning yig'indisi 310 ga teng. Ulardan dastlabki uchtasi 5, 6 va 12 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 8 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 54 B) 72 C) 66 D) 60
313. 1.3-3 file-» 50 - 127 - - (719027)
To'rtta sonning yig'indisi 352 ga teng. Ulardan dastlabki uchtasi 5, 6 va 13 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 8 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 66 B) 60 C) 78 D) 72
314. 1.3-3 file-» 50 - 127 - - (719028)
To'rtta sonning yig'indisi 168 ga teng. Ulardan dastlabki uchtasi 5, 6 va 10 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 7 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 42 B) 36 C) 30 D) 48
315. 1.3-3 file-» 50 - 127 - - (719029)
To'rtta sonning yig'indisi 210 ga teng. Ulardan dastlabki uchtasi 5, 6 va 11 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 8 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 54 B) 48 C) 42 D) 36
316. 1.3-3 file-» 50 - 127 - - (719030)
To'rtta sonning yig'indisi 248 ga teng. Ulardan dastlabki uchtasi 5, 6 va 12 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 8 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 42 B) 60 C) 54 D) 48
317. 1.3-3 file-» 50 - 127 - - (719031)
To'rtta sonning yig'indisi 288 ga teng. Ulardan dastlabki uchtasi 5, 6 va 13 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 8 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 54 B) 48 C) 66 D) 60
318. 1.3-3 file-» 50 - 127 - - (719032)
To'rtta sonning yig'indisi 340 ga teng. Ulardan dastlabki uchtasi 5, 6 va 14 sonlariga to'g'ri proporsional, birinchi va to'rtinchi sonlar esa 9 va 5 sonlariga teskari proporsional. Ikkinchi sonni toping.
A) 66 B) 60 C) 54 D) 72
319. 1.3-3 file-» 50 - 127 - - (719033)
To'rtta sonning yig'indisi 189 ga teng. Ulardan dastlabki uchtasi 5, 6 va 9 sonlariga to'g'ri proporsional ikkinchi va to'rtinchi sonlar esa 7 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.
A) 81 B) 72 C) 63 D) 54
320. 1.3-3 file-» 50 - 127 - - (719034)
To'rtta sonning yig'indisi 224 ga teng. Ulardan dastlabki uchtasi 5, 6 va 10 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 7 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.
A) 70 B) 100 C) 90 D) 80
321. 1.3-3 file-» 50 - 127 - - (719035)
To'rtta sonning yig'indisi 270 ga teng. Ulardan dastlabki uchtasi 5, 6 va 11 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 8 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.
A) 99 B) 88 C) 121 D) 110
322. 1.3-3 file-» 50 - 127 - - (719036)
To'rtta sonning yig'indisi 310 ga teng. Ulardan dastlabki uchtasi 5, 6 va 12 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 8 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.
A) 132 B) 120 C) 108 D) 144

323. 1.3-3 file-» 50 - 127 - - (719037)
 To'rtta sonning yig'indisi 352 ga teng. Ulardan dastlabki uchtasi 5, 6 va 13 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 8 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.
 A) 169 B) 156 C) 143 D) 130
324. 1.3-3 file-» 50 - 127 - - (719038)
 To'rtta sonning yig'indisi 168 ga teng. Ulardan dastlabki uchtasi 5, 6 va 10 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 7 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.
 A) 50 B) 80 C) 70 D) 60
325. 1.3-3 file-» 50 - 127 - - (719039)
 To'rtta sonning yig'indisi 210 ga teng. Ulardan dastlabki uchtasi 5, 6 va 11 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 8 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.
A) 77 B) 66 C) 99 D) 88
326. 1.3-3 file-» 50 - 127 - - (719040)
 To'rtta sonning yig'indisi 248 ga teng. Ulardan dastlabki uchtasi 5, 6 va 12 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 8 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.
 A) 108 B) 96 C) 84 D) 120
327. 1.3-3 file-» 50 - 127 - - (719041)
 To'rtta sonning yig'indisi 288 ga teng. Ulardan dastlabki uchtasi 5, 6 va 13 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 8 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.
 A) 143 B) 130 C) 117 D) 104
328. 1.3-3 file-» 50 - 127 - - (719042)
 To'rtta sonning yig'indisi 340 ga teng. Ulardan dastlabki uchtasi 5, 6 va 14 sonlariga to'g'ri proporsional, ikkinchi va to'rtinchi sonlar esa 9 va 6 sonlariga teskari proporsional. Uchinchi sonni toping.
 A) 126 B) 168 C) 154 D) 140
329. 1.3-3 file-» 50 - 127 - - (719043)
 To'rtta sonning yig'indisi 189 ga teng. Ulardan dastlabki uchtasi 5, 6 va 9 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 7 va 9 sonlariga teskari proporsional. Birinchi sonni toping.
A) 35 B) 30 C) 45 D) 40
330. 1.3-3 file-» 50 - 127 - - (719044)
 To'rtta sonning yig'indisi 224 ga teng. Ulardan dastlabki uchtasi 5, 6 va 10 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 7 va 10 sonlariga teskari proporsional. Birinchi sonni toping.
 A) 45 B) 40 C) 35 D) 50
331. 1.3-3 file-» 50 - 127 - - (719045)
 To'rtta sonning yig'indisi 270 ga teng. Ulardan dastlabki uchtasi 5, 6 va 11 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 8 va 11 sonlariga teskari proporsional. Birinchi sonni toping.
 A) 55 B) 50 C) 45 D) 40
332. 1.3-3 file-» 50 - 127 - - (719046)
 To'rtta sonning yig'indisi 310 ga teng. Ulardan dastlabki uchtasi 5, 6 va 12 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 8 va 12 sonlariga teskari proporsional. Birinchi sonni toping.
 A) 45 B) 60 C) 55 D) 50
333. 1.3-3 file-» 50 - 127 - - (719047)
 To'rtta sonning yig'indisi 352 ga teng. Ulardan dastlabki uchtasi 5, 6 va 13 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 8 va 13 sonlariga teskari proporsional. Birinchi sonni toping.
A) 55 B) 50 C) 65 D) 60
334. 1.3-3 file-» 50 - 127 - - (719048)
 To'rtta sonning yig'indisi 168 ga teng. Ulardan dastlabki uchtasi 5, 6 va 10 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 7 va 10 sonlariga teskari proporsional. Birinchi sonni toping.
 A) 35 B) 30 C) 25 D) 40
335. 1.3-3 file-» 50 - 127 - - (719049)
 To'rtta sonning yig'indisi 210 ga teng. Ulardan dastlabki uchtasi 5, 6 va 11 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 8 va 11 sonlariga teskari proporsional. Birinchi sonni toping.
 A) 45 B) 40 C) 35 D) 30
336. 1.3-3 file-» 50 - 127 - - (719050)
 To'rtta sonning yig'indisi 248 ga teng. Ulardan dastlabki uchtasi 5, 6 va 12 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 8 va 12 sonlariga teskari proporsional. Birinchi sonni toping.
 A) 35 B) 50 C) 45 D) 40

337. 1.3-3 file-» 50 - 127 - - (719051)
 To'rtta sonning yig'indisi 288 ga teng. Ulardan dastlabki uchasi 5, 6 va 13 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 8 va 13 sonlariga teskari proporsional. Birinchi sonni toping.
A) 45 B) 40 C) 55 D) 50
338. 1.3-3 file-» 50 - 127 - - (719052)
 To'rtta sonning yig'indisi 340 ga teng. Ulardan dastlabki uchasi 5, 6 va 14 sonlariga to'g'ri proporsional, uchinchi va to'rtinchi sonlar 9 va 14 sonlariga teskari proporsional. Birinchi sonni toping.
 A) 55 **B) 50** C) 45 D) 60
339. 1.4-1 file-» 5 - 3 - - (13843)
 Birinchi kuni ish normasining $\frac{2}{5}$ qismi bajarildi. Ikkinchi kuni birinchi kunda bajarilgan ishning $\frac{1}{6}$ qismicha kўp ish bajarildi. Шу икки кунда қанча иш нормаси bajarildi?
A) $\frac{13}{15}$ B) $\frac{7}{15}$ C) $\frac{4}{5}$ D) $\frac{11}{15}$
340. 1.4-1 file-» 5 - 4 - - (13898)
 Birinchi kuni ish normasining $\frac{2}{5}$ qismi bajarildi. Ikkinchi kuni birinchi kunda bajarilgan ishning $\frac{1}{8}$ qismicha kўp ish bajarildi. Шу икки кунда қанча иш нормаси bajarildi?
A) $\frac{17}{20}$ B) $\frac{9}{20}$ C) $\frac{4}{5}$ D) $\frac{13}{20}$
341. 1.4-1 file-» 5 - 5 - - (13954)
 Birinchi kuni ish normasining $\frac{1}{2}$ qismi bajarildi. Ikkinchi kuni birinchi kunda bajarilgan ishning $\frac{1}{6}$ qismicha kўp ish bajarildi. Шу икки кунда қанча иш нормаси bajarildi?
 A) 1 B) $\frac{11}{12}$ **C) $1\frac{1}{12}$** D) $1\frac{1}{6}$
342. 1.4-1 file-» 22 - 2 - - (14214)
 $(3,5 - 3\frac{1}{3}) \cdot 10,4 : 5\frac{1}{5}$ ни ҳисобланг.
A) $\frac{2}{5}$ **B) $\frac{1}{3}$** C) $\frac{1}{12}$ D) $\frac{3}{7}$
343. 1.4-1 file-» 22 - 2 - - (14215)
 $3\frac{1}{3} : 5\frac{5}{7} = 2\frac{4}{5} : x$ пропорциянинг номаълум ҳадини топинг.
 A) $\frac{1}{2}$ B) $\frac{2}{3}$ **C) $4\frac{4}{5}$** D) $\frac{3}{5}$
344. 1.4-1 file-» 22 - 3 - - (14273)
 $(11\frac{2}{3} - 7,4) : 5\frac{1}{3} + 1\frac{2}{5}$ ни ҳисобланг.
 A) $2\frac{1}{2}$ **B) 2,2** C) 3,2 D) 2
345. 1.4-1 file-» 22 - 3 - - (14274)
 $7\frac{1}{2} : 6\frac{2}{5} = 5\frac{5}{8} : x$ пропорциянинг номаълум ҳадини топинг.
A) $4\frac{4}{5}$ B) $3\frac{2}{5}$ C) $5\frac{1}{8}$ D) $4\frac{1}{5}$
346. 1.4-1 file-» 22 - 4 - - (14332)
 $6\frac{3}{8} - (2,5 - 2\frac{1}{3}) : 1\frac{1}{3}$ ни ҳисобланг.
 A) $5\frac{2}{3}$ B) $5\frac{1}{4}$ C) $4\frac{1}{2}$ **D) $6\frac{1}{4}$**
347. 1.4-1 file-» 22 - 4 - - (14333)
 $3\frac{3}{5} : 2\frac{7}{10} = 3\frac{3}{4} : x$ пропорциянинг номаълум ҳадини топинг.
A) $2\frac{13}{16}$ B) $2\frac{3}{10}$ C) $3\frac{1}{3}$ D) $1\frac{15}{16}$
348. 1.4-1 file-» 5 - 10 - - (36061)
 Гилдирак $6\frac{2}{9}$ минутда $11\frac{1}{5}$ марта айланади. У 1 минутда неча марта айланади?
A) $1\frac{4}{5}$ B) 1 C) $1\frac{3}{5}$ D) $1\frac{2}{5}$
349. 1.4-1 file-» 5 - 7 - - (36117)
 Чумоли 5 минутда $18\frac{1}{3}$ м юради. У 1 минутда неча метр юради?
 A) $3\frac{5}{6}$ **B) $3\frac{2}{3}$** C) $3\frac{1}{6}$ D) $3\frac{1}{3}$
350. 1.4-1 file-» 22 - 11 - - (36173)
 $\frac{84}{95} \cdot 1\frac{3}{14} : 1\frac{1}{5} : 4 \cdot 4\frac{3}{4}$ ни ҳисобланг.
A) $1\frac{1}{16}$ B) $1\frac{3}{8}$ C) $2\frac{1}{8}$ D) $1\frac{5}{7}$
351. 1.4-1 file-» 22 - 12 - - (36233)
 $2\frac{16}{17} \cdot 3\frac{2}{5} : \frac{11}{12} \cdot 2\frac{1}{5} : 2\frac{2}{3}$ ни ҳисобланг.
A) 9 B) $24\frac{3}{17}$ C) 27 D) $29\frac{1}{9}$

352. 1.4-1 file-» 22 - 13 - - (36290)
 $(\frac{5}{9} - 1\frac{1}{6} \cdot \frac{1}{2}) : \frac{5}{9} + \frac{17}{60}$ ни ҳисобланг.
 A) $\frac{3}{20}$ B) $\frac{17}{60}$ C) $\frac{7}{30}$ D) $\frac{37}{60}$
353. 1.4-1 file-» 22 - 14 - - (36339)
 $8\frac{3}{4} + \frac{5}{12} : (\frac{1}{3} \cdot 2\frac{1}{2} - \frac{7}{8})$ ни ҳисобланг.
 A) $-6\frac{3}{4}$ B) $-1\frac{1}{4}$ C) $9\frac{1}{4}$ D) $-8\frac{3}{4}$
354. 1.4-1 file-» 22 - 15 - - (36389)
 $(2\frac{17}{36} - 4\frac{7}{12}) : \frac{2}{9} - \frac{3}{26} \cdot 4\frac{1}{3}$ ни ҳисобланг.
 A) -9 B) $8\frac{1}{2}$ C) 9 D) -10
355. 1.4-1 file-» 23 - 2 - - (36436)
 $-1\frac{3}{4} \cdot 6,5 \cdot (-\frac{4}{7}) - 9,25$ ни ҳисобланг.
 A) $-2,75$ B) $-10,25$ C) $2,75$ D) $3,75$
356. 1.4-1 file-» 23 - 2 - - (36442)
 Ҳаракат бошлангандан 0,6 соат ўтгач, мотоциклчи велосипедчини қувиб етди. Мотоциклчининг тезлиги 42, велосипедчиники 12 км/соат бўлса, ҳаракат бошланишидан олдин улар орасидаги масофа қанча (км) бўлган?
 A) 24 B) 18 C) 27 D) 16
357. 1.4-1 file-» 23 - 3 - - (36496)
 $5,8 - \frac{3}{7} \cdot 2,2 \cdot (-2\frac{1}{3})$ ни ҳисобланг.
 A) 6 B) -8 C) 8 D) $-3,6$
358. 1.4-1 file-» 23 - 4 - - (36555)
 $-\frac{8}{9} \cdot 18,75 \cdot 1\frac{1}{8} - (-4,25)$ ни ҳисобланг.
 A) -8 B) $-14,5$ C) -10 D) 14,5
359. 1.4-1 file-» 23 - 4 - - (36560)
 Мотоциклчи ва велосипедчи бир томонга қараб ҳаракат қилишмоқда. Велосипедчининг тезлиги 12 км/соат, мотоциклчиники 30 км/соат ва улар орасидаги масофа 72 км бўлса, неча соатдан кейин мотоциклчи велосипедчини қувиб етади?
 A) 3 B) 4 C) 3,5 D) 2,5
360. 1.4-1 file-» 22 - 1 - - (36734)
 $\frac{15}{56} \cdot 1\frac{1}{7} : \frac{2}{15} \cdot 24\frac{1}{2} : 7\frac{1}{2}$ ни ҳисобланг.
 A) $10\frac{1}{2}$ B) 11 C) 21 D) $7\frac{1}{2}$
361. 1.4-1 file-» 6 - 7 - - (56410)
 $6\frac{2}{3} \cdot 2\frac{1}{4} \cdot (-\frac{1}{2}) \cdot \frac{2}{5}$ ни ҳисобланг.
 A) 3 B) -3 C) 2,5 D) $-2,5$
362. 1.4-1 file-» 6 - 8 - - (56470)
 $2\frac{2}{3} : 1\frac{1}{7} \cdot 3\frac{3}{7} \cdot (-\frac{1}{2})$ ни ҳисобланг.
 A) -4 B) 3 C) -2 D) $\frac{2}{7}$
363. 1.4-1 file-» 13 - 3 - - (56581)
 $(1992\frac{3}{5} - 1990\frac{2}{3}) \cdot 1\frac{1}{29}$ ни ҳисобланг.
 A) 4 B) $\frac{14}{435}$ C) 2 D) $2\frac{2}{29}$
364. 1.4-1 file-» 13 - 4 - - (56633)
 $\frac{0,202 - 0,004}{\frac{8}{9} \cdot 81 \cdot 0,125}$ ни ҳисобланг.
 A) 0,099 B) 0,99 C) 0,0099 D) 0,022
365. 1.4-1 file-» 13 - 4 - - (56637)
 $(1997\frac{1}{5} - 1996\frac{1}{6}) \cdot 1\frac{29}{31}$ ни ҳисобланг.
 A) $2\frac{29}{31}$ B) $2\frac{28}{29}$ C) 2 D) $3\frac{1}{29}$
366. 1.4-1 file-» 22 - 17 - - (56965)
 $\frac{26}{15} + 2 \cdot (0,63 : 0,6 - 1,6)$ ни ҳисобланг.
 A) $\frac{19}{30}$ B) $-1\frac{1}{6}$ C) $-\frac{4}{15}$ D) $-1\frac{4}{15}$
367. 1.4-1 file-» 22 - 18 - - (57025)
 $(0,98 - 0,312 : 0,3) \cdot 25 + \frac{1}{9}$ ни ҳисобланг.
 A) $-1\frac{5}{18}$ B) $-14\frac{8}{9}$ C) $-10\frac{7}{18}$ D) $-1\frac{7}{18}$
368. 1.4-1 file-» 5 - 12 - - 10 (96109)
 Тико автомашинасида 100 км йўлни ўтиш учун 5,8 л ёнилғи сарфланади. 10,15 л ёнилғи билан бу автомашинада неча км йўл юриш мумкин?
 A) 160 B) 175 C) 150 D) 200
369. 1.4-1 file-» 5 - 12 - - 10 (96112)
 Бир комбайнчи буғдойзорнинг $\frac{2}{9}$ қисмидаги буғдойни, иккинчиси $\frac{4}{9}$ қисмидаги буғдойни ўриб олди. Буғдойзорнинг қанча қисми ўрилмай қолди?
 A) $\frac{2}{9}$ B) $\frac{1}{9}$ C) $\frac{1}{3}$ D) $\frac{4}{9}$

370. 1.4-1 file-» 5 - 3 - - (315071)
 Birinchi kuni ish normasining $\frac{2}{5}$ qismi bajarildi.
 Ikkinchi kuni birinchi kunda bajarilgan ishning $\frac{1}{6}$ qismicha ko'p ish bajarildi. Shu ikki kunda qancha ish normasi bajarildi?
 A) $\frac{13}{15}$ B) $\frac{7}{15}$ C) $\frac{4}{5}$ D) $\frac{11}{15}$
371. 1.4-1 file-» 5 - 4 - - (315072)
 Birinchi kuni ish normasining $\frac{2}{5}$ qismi bajarildi.
 Ikkinchi kuni birinchi kunda bajarilgan ishning $\frac{1}{8}$ qismicha ko'p ish bajarildi. Shu ikki kunda qancha ish normasi bajarildi?
 A) $\frac{17}{20}$ B) $\frac{9}{20}$ C) $\frac{4}{5}$ D) $\frac{13}{20}$
372. 1.4-1 file-» 5 - 5 - - (315073)
 Birinchi kuni ish normasining $\frac{1}{2}$ qismi bajarildi.
 Ikkinchi kuni birinchi kunda bajarilgan ishning $\frac{1}{6}$ qismicha ko'p ish bajarildi. Shu ikki kunda qancha ish normasi bajarildi?
 A) 1 B) $\frac{11}{12}$ C) $1\frac{1}{12}$ D) $1\frac{1}{6}$
373. 1.4-1 file-» 22 - 2 - - (315074)
 $(3,5 - 3\frac{1}{3}) \cdot 10,4 : 5\frac{1}{5}$ ni hisoblang.
 A) $\frac{2}{5}$ B) $\frac{1}{3}$ C) $\frac{1}{12}$ D) $\frac{3}{7}$
374. 1.4-1 file-» 22 - 2 - - (315075)
 $3\frac{1}{3} : 5\frac{5}{7} = 2\frac{4}{5} : x$ proporsiyaning noma'lum hadini toping.
 A) $\frac{1}{2}$ B) $\frac{2}{3}$ C) $4\frac{4}{5}$ D) $\frac{3}{5}$
375. 1.4-1 file-» 22 - 3 - - (315076)
 $(11\frac{2}{3} - 7,4) : 5\frac{1}{3} + 1\frac{2}{5}$ ni hisoblang.
 A) $2\frac{1}{2}$ B) 2,2 C) 3,2 D) 2
376. 1.4-1 file-» 22 - 3 - - (315077)
 $7\frac{1}{2} : 6\frac{2}{5} = 5\frac{5}{8} : x$ proporsiyaning noma'lum hadini toping.
 A) $4\frac{4}{5}$ B) $3\frac{2}{5}$ C) $5\frac{1}{8}$ D) $4\frac{1}{5}$

377. 1.4-1 file-» 22 - 4 - - (315078)
 $6\frac{3}{8} - (2,5 - 2\frac{1}{3}) : 1\frac{1}{3}$ ni hisoblang.
 A) $5\frac{2}{3}$ B) $5\frac{1}{4}$ C) $4\frac{1}{2}$ D) $6\frac{1}{4}$
378. 1.4-1 file-» 22 - 4 - - (315079)
 $3\frac{3}{5} : 2\frac{7}{10} = 3\frac{3}{4} : x$ proporsiyaning noma'lum hadini toping.
 A) $2\frac{13}{16}$ B) $2\frac{3}{10}$ C) $3\frac{1}{3}$ D) $1\frac{15}{16}$
379. 1.4-1 file-» 5 - 10 - - (315080)
 G'ildirak $6\frac{2}{9}$ minutda $11\frac{1}{5}$ marta aylanadi. U 1 minutda necha marta aylanadi?
 A) $1\frac{4}{5}$ B) 1 C) $1\frac{3}{5}$ D) $1\frac{2}{5}$
380. 1.4-1 file-» 5 - 7 - - (315081)
 Chumoli 5 minutda $18\frac{1}{3}$ m yuradi. U 1 minutda necha metr yuradi?
 A) $3\frac{5}{6}$ B) $3\frac{2}{3}$ C) $3\frac{1}{6}$ D) $3\frac{1}{3}$
381. 1.4-1 file-» 22 - 11 - - (315082)
 $\frac{84}{95} \cdot 1\frac{3}{14} : 1\frac{1}{5} : 4 \cdot 4\frac{3}{4}$ ni hisoblang.
 A) $1\frac{1}{16}$ B) $1\frac{3}{8}$ C) $2\frac{1}{8}$ D) $1\frac{5}{7}$
382. 1.4-1 file-» 22 - 12 - - (315083)
 $2\frac{16}{17} \cdot 3\frac{2}{5} : \frac{11}{12} \cdot 2\frac{1}{5} : 2\frac{2}{3}$ ni hisoblang.
 A) 9 B) $24\frac{3}{17}$ C) 27 D) $29\frac{1}{9}$
383. 1.4-1 file-» 22 - 13 - - (315084)
 $(\frac{5}{9} - 1\frac{1}{6} \cdot \frac{1}{2}) : \frac{5}{9} + \frac{17}{60}$ ni hisoblang.
 A) $\frac{3}{20}$ B) $\frac{17}{60}$ C) $\frac{7}{30}$ D) $\frac{37}{60}$
384. 1.4-1 file-» 22 - 14 - - (315085)
 $8\frac{3}{4} + \frac{5}{12} : (\frac{1}{3} \cdot 2\frac{1}{2} - \frac{7}{8})$ ni hisoblang.
 A) $-6\frac{3}{4}$ B) $-1\frac{1}{4}$ C) $9\frac{1}{4}$ D) $-8\frac{3}{4}$
385. 1.4-1 file-» 22 - 15 - - (315086)
 $(2\frac{17}{36} - 4\frac{7}{12}) : \frac{2}{9} - \frac{3}{26} \cdot 4\frac{1}{3}$ ni hisoblang.
 A) -9 B) $8\frac{1}{2}$ C) 9 D) -10

386. 1.4-1 file-» 23 - 2 - - (315087)
 $-1\frac{3}{4} \cdot 6,5 \cdot (-\frac{4}{7}) - 9,25$ ni hisoblang.
A) -2,75 B) -10,25 C) 2,75 D) 3,75
387. 1.4-1 file-» 23 - 2 - - (315088)
 Harakat boshlangandan 0,6 soat o'tgach, mototsiklchi velosipedchini quvib yetdi. Mototsiklchining tezligi 42, velosipedchiniki 12 km/soat bo'lsa, harakat boshlanishidan oldin ular orasidagi masofa qancha (km) bo'lgan?
 A) 24 **B) 18** C) 27 D) 16
388. 1.4-1 file-» 23 - 3 - - (315089)
 $5,8 - \frac{3}{7} \cdot 2,2 \cdot (-2\frac{1}{3})$ ni hisoblang.
 A) 6 B) -8 **C) 8** D) -3,6
389. 1.4-1 file-» 23 - 4 - - (315090)
 $-\frac{8}{9} \cdot 18,75 \cdot 1\frac{1}{8} - (-4,25)$ ni hisoblang.
 A) -8 **B) -14,5** C) -10 D) 14,5
390. 1.4-1 file-» 23 - 4 - - (315091)
 Mototsiklchi va velosipedchi bir tomonga qarab harakat qilishmoqda. Velosipedchining tezligi 12 km/soat, mototsiklchiniki 30 km/soat va ular orasidagi masofa 72 km bo'lsa, necha soatdan keyin mototsiklchi velosipedchini quvib yetadi?
 A) 3 **B) 4** C) 3,5 D) 2,5
391. 1.4-1 file-» 22 - 1 - - (315092)
 $\frac{15}{56} \cdot 1\frac{1}{7} : \frac{2}{15} \cdot 24\frac{1}{2} : 7\frac{1}{2}$ ni hisoblang.
 A) $10\frac{1}{2}$ B) 11 C) 21 **D) $7\frac{1}{2}$**
392. 1.4-1 file-» 6 - 7 - - (315093)
 $6\frac{2}{3} \cdot 2\frac{1}{4} \cdot (-\frac{1}{2}) \cdot \frac{2}{5}$ ni hisoblang.
 A) 3 **B) -3** C) 2,5 D) -2,5
393. 1.4-1 file-» 6 - 8 - - (315094)
 $2\frac{2}{3} : 1\frac{1}{7} \cdot 3\frac{3}{7} \cdot (-\frac{1}{2})$ ni hisoblang.
A) -4 B) 3 C) -2 D) $\frac{2}{7}$
394. 1.4-1 file-» 13 - 3 - - (315095)
 $(1992\frac{3}{5} - 1990\frac{2}{3}) \cdot 1\frac{1}{29}$ ni hisoblang.
 A) 4 B) $\frac{14}{435}$ **C) 2** D) $2\frac{2}{29}$
395. 1.4-1 file-» 13 - 4 - - (315096)
 $\frac{0,202 - 0,004}{\frac{8}{9} \cdot 81 \cdot 0,125}$ ni hisoblang.
 A) 0,099 B) 0,99 C) 0,0099 **D) 0,022**
396. 1.4-1 file-» 13 - 4 - - (315097)
 $(1997\frac{1}{5} - 1996\frac{1}{6}) \cdot 1\frac{29}{31}$ ni hisoblang.
 A) $2\frac{29}{31}$ B) $2\frac{28}{29}$ **C) 2** D) $3\frac{1}{29}$
397. 1.4-1 file-» 22 - 17 - - (315098)
 $\frac{26}{15} + 2 \cdot (0,63 : 0,6 - 1,6)$ ni hisoblang.
A) $\frac{19}{30}$ B) $-1\frac{1}{6}$ C) $-\frac{4}{15}$ D) $-1\frac{4}{15}$
398. 1.4-1 file-» 22 - 18 - - (315099)
 $(0,98 - 0,312 : 0,3) \cdot 25 + \frac{1}{9}$ ni hisoblang.
 A) $-1\frac{5}{18}$ B) $-14\frac{8}{9}$ C) $-10\frac{7}{18}$
D) $-1\frac{7}{18}$
399. 1.4-1 file-» 5 - 12 - - 10 (315100)
 Tiko avtomashinasida 100 km yo'lni o'tish uchun 5,8 l yonilg'i sarflanadi. 10,15 l yonilg'i bilan bu avtomashinada necha km yo'l yurish mumkin?
 A) 160 **B) 175** C) 150 D) 200
400. 1.4-1 file-» 5 - 12 - - 10 (315101)
 Bir kombaynchi bug'doyzorning $\frac{2}{9}$ qismidagi bug'doyni, ikkinchisi $\frac{4}{9}$ qismidagi bug'doyni o'rib oldi. Bug'doyzorning qancha qismi o'rilmay qoldi?
 A) $\frac{2}{9}$ B) $\frac{1}{9}$ **C) $\frac{1}{3}$** D) $\frac{4}{9}$
401. 1.4-1 file-» 22 - 14 - - (401621)
 $\frac{2,15 - 1,6 \cdot 2,15}{3,45 - 3\frac{3}{20}}$ ni hisoblang.
 A) -0,43 B) 0,43 C) 4,3 **D) -4,3**
402. 1.4-1 file-» 22 - 15 - - (401622)
 $\frac{0,64 \cdot 4,5 - 4,5}{1,05 - \frac{3}{5}}$ ni hisoblang.
A) -3,6 B) 0,36 C) -4,8 D) -0,36
403. 1.4-1 file-» 22 - 17 - - (401623)
 $a = 2, (4); b = 2,5 - \frac{1}{8}$ va $c = 1,2 : 0,5$ sonlarini kamayish tartibida joylashtiring.
 A) $a > b > c$ **B) $a > c > b$** C) $b > a > c$
 D) $c > a > b$

404. 1.4-1 file-» 22 - 18 - - (401624)
 $a = 3, (6); b = 3,91 - \frac{1}{4}$ va $c = 4,68 : 1,3$ sonlarni o'sish tartibida joylashtiring.
 A) $b < a < c$ B) $a < c < b$ **C) $c < b < a$**
 D) $a < b < c$
405. 1.4-1 file-» 23 - 5 - - (401625)
 $\frac{2,1}{(4\frac{2}{5} \cdot 6\frac{1}{3} - 5\frac{19}{21} \cdot 4,4) \cdot \frac{5}{22}}$ ni hisoblang.
 A) 0,45 B) 4,5 C) 4,2 **D) 4,9**
406. 1.4-1 file-» 23 - 9 - - (401626)
 $(4\frac{5}{8} \cdot 4\frac{1}{5} \cdot \frac{8}{37} - 3\frac{3}{5})^{-1}$ ni hisoblang.
 A) $1\frac{3}{5}$ B) $1\frac{2}{5}$ C) $1\frac{3}{4}$ **D) $1\frac{2}{3}$**
407. 1.4-1 file-» 23 - 16 - - 1 (401627)
 $\frac{5}{11} \cdot 0,006 \cdot 2\frac{1}{5} + 1\frac{1}{8} \cdot 1,004 \cdot \frac{8}{9}$ ni hisoblang.
 A) 40 B) 0,4 C) 20 **D) 40,4**
408. 1.4-1 file-» 23 - 19 - - 2 (401628)
 $\frac{400 - 21,5 \cdot 18,5}{1,5 \cdot 1\frac{1}{10} + 3,4 \cdot 1\frac{1}{2}}$ ni hisoblang.
 A) $\frac{3}{10}$ **B) $\frac{1}{3}$** C) $\frac{3}{7}$ D) $\frac{5}{7}$
409. 1.4-1 file-» 23 - 19 - - 2 (401629)
 Bir ishchi buyurtmani 6 soatda, boshqasi esa 10 soatda bajaradi (tugatadi). Ular birgalikda 3 soat ishlaganlaridan keyin ishning qancha qismi bajarilmay qolgan bo'ladi?
 A) $\frac{1}{4}$ B) $\frac{1}{3}$ **C) $\frac{1}{5}$** D) $\frac{2}{5}$
410. 1.4-1 file-» 2 - 42 - - 5 (401630)
 7 ta sonning o'rta arifmetigi 13 ga teng. Bu sonlarga qaysi son qo'shilsa, ularning o'rta arifmetigi 18 bo'ladi?
A) 53 B) 50 C) 45 D) 56
411. 1.4-1 file-» 34 - 1 - - 7 (401631)
 $(3\frac{3}{8})^{-\frac{2}{3}} + 27^{\frac{2}{3}} \cdot 9^{0,5} \cdot 3^{-2} + \left(\left(\frac{7}{9}\right)^3\right)^0 - \left(-\frac{1}{2}\right)^{-2}$ ni hisoblang.
A) $\frac{4}{9}$ B) $\frac{8}{9}$ C) 1 D) 0
412. 1.4-1 file-» 37 - 2 - - 4 (401632)
 Avtomobil butun yo'lining $\frac{3}{7}$ qismini 1 soatda, qolgan qismini 2 soatda bosib o'tdi. Uning birinchi tezligi ikkinchi tezligidan necha marta katta?
 A) $\frac{2}{3}$ **B) $\frac{3}{2}$** C) $\frac{9}{8}$ D) $\frac{8}{9}$
413. 1.4-1 file-» 19 - 8 - - 5 (401633)
 Sement va qumdan iborat 30 kg qorishmaning 60% ini sement tashkil etadi. Qorishmaning 40% i sementdan iborat bo'lishi uchun qorishmaga qancha qum qo'shish kerak?
 A) 10 B) 12 **C) 15** D) 18
414. 1.4-1 file-» 16 - 12 - - 9 (401634)
 y minutda x (mm) yomg'ir yog'adi. 2,5 soatda necha mm yomg'ir yog'adi?
 A) $\frac{x}{150y}$ B) $\frac{xy}{150}$ **C) $\frac{150x}{y}$** D) $\frac{150y}{x}$
415. 1.4-1 file-» 2 - 43 - - 7 (401635)
 Sinfdagi qizlar sonining o'g'il bolalar soniga nisbati $\frac{5}{7}$ bo'lsa, sinfdagi jami o'quvchilar soni quyidagilarning qaysi biriga teng bo'lishi mumkin?
A) 36 B) 34 C) 32 D) 30
416. 1.4-2 file-» 22 - 13 - - 1 (704055)
 $\frac{0,075 - 0,075 \cdot 6,4}{0,175 - \frac{39}{200}}$ ni hisoblang.
 A) 4,05 B) 40,5 **C) 20,25** D) 20,1
417. 1.4-2 file-» 23 - 2 - - 1 (704056)
 Agar $x < z < y$ bo'lsa, $|x - y| - |z - y| - |z - x|$ ni soddalashtiring.
A) 0 B) $2y - 2x$ C) $2z - 2y$ D) $2y - 2z$
418. 1.4-2 file-» 23 - 3 - - 1 (704057)
 Agar $0 < q < p < k$ bo'lsa, $|p + q| + |k - q| - |k - p|$ ni soddalashtiring.
A) $2p$ B) $2p + 2q - 2k$ C) $2q$
 D) $2p + 2k$
419. 1.4-2 file-» 23 - 4 - - 1 (704058)
 Agar $0 < k < m < n$ bo'lsa, $|n - m| - |n + k| - |m - k|$ ni soddalashtiring.
 A) $-2n$ B) $2k - 2n$ **C) $-2m$**
 D) $2m - 2k$
420. 1.4-2 file-» 12 - 1 - - 1 (704059)
 12 va 312 sonlarning umumiy bo'luvchilari nechta?
 A) 2 B) 4 C) 3 **D) 6**

421. 1.4-2 file-» 15 - 1 - - 1 (704060)
 O'zaro teskari sonlarni aniqlang:
 1) $\frac{\sqrt{7}}{2}$ va $\frac{2\sqrt{7}}{7}$; 2) $\sqrt{6} - \sqrt{5}$ va $\sqrt{6} + \sqrt{5}$;
 3) $\frac{2\sqrt{5}}{9}$ va $\frac{9\sqrt{5}}{10}$ 4) $\sqrt{3} - 1$ va $\sqrt{3} + 1$;
 A) *hammasi* B) 2; 3; 4 C) 1; 3; 4
D) 1; 2; 3
422. 1.4-2 file-» 15 - 2 - - 1 (704061)
 O'zaro teskari sonlarni aniqlang:
 1) $3 - \sqrt{2}$ va $3 + \sqrt{2}$;
 2) $\frac{\sqrt{5}}{3}$ va $\frac{3\sqrt{5}}{5}$;
 3) $\frac{2\sqrt{3}}{5}$ va $\frac{5\sqrt{3}}{6}$;
 4) $\sqrt{2} + 1$ va $\sqrt{2} - 1$.
 A) 1; 3; 4 B) 1; 2; 3 **C) 2; 3; 4** D) 1; 3
423. 1.4-2 file-» 23 - 5 - - 1 (704062)
 18 va 8 sonlari eng kichik umumiy karralisining natural bo'luvchilari nechta?
A) 12 B) 7 C) 8 D) 9
424. 1.4-2 file-» 23 - 6 - - 1 (704063)
 25 va 15 sonlari eng kichik umumiy karralisining natural bo'luvchilari nechta?
 A) 5 B) 4 **C) 6** D) 7
425. 1.4-2 file-» 19 - 1 - - 1 (704064)
 Proporsiyaning dastlabki uchta hadi yig'indisi 78 ga teng. Uning ikkinchi hadi birinchi hadining $\frac{1}{2}$ qismini, uchinchi hadi esa $\frac{2}{3}$ qismini tashkil etadi. Proporsiyaning uchinchi hadini toping.
 A) 12 B) 18 C) 36 **D) 24**
426. 1.4-2 file-» 22 - 19 - - 1 (704065)
 $5\frac{1}{4} \cdot 6\frac{3}{4} - 4\frac{5}{8} \cdot 5\frac{3}{8}$ ni hisoblang.
 A) $10\frac{19}{64}$ B) $11\frac{27}{64}$ C) $11\frac{9}{64}$ **D) $10\frac{37}{64}$**
427. 1.4-2 file-» 16 - 6 - - 1 (704066)
 $19,5 : 4\frac{1}{2} + 3\frac{1}{3} \cdot 1,9$
 $\frac{62}{75} - 0,16$ ni hisoblang.
 A) $4\frac{1}{2}$ **B) 16** C) 7,45 D) 12
428. 1.4-2 file-» 23 - 17 - - 1 (704067)
 842 sonining o'ng tomoniga qanday raqam yozilsa, hosil bo'lgan son 36 ga qoldiqsiz bo'linadi?
A) 4 B) 2 C) 6 D) 8
429. 1.4-2 file-» 23 - 17 - - 1 (704068)
 9; 10; 15 va 27 sonlaridan nechta o'zaro tub sonlar jufti hosil qilish mumkin?
 A) 4 B) 3 **C) 2** D) 6
430. 1.4-2 file-» 22 - 21 - - 1 (704069)
 $5\frac{4}{19} \cdot 3\frac{4}{7} + 1\frac{15}{19} : \frac{7}{25} - 2\frac{1}{3}$ ni hisoblang.
 A) $23\frac{2}{3}$ B) $23\frac{1}{3}$ **C) $22\frac{2}{3}$** D) $24\frac{1}{3}$
431. 1.4-2 file-» 22 - 12 - - 2 (719053)
 $(12\frac{1}{9} - 10\frac{2}{5}) : 38\frac{1}{2} + 24\frac{1}{45}$ ni hisoblang.
A) $24\frac{1}{15}$ B) $32\frac{7}{45}$ C) $24\frac{1}{9}$ D) 47
432. 1.4-2 file-» 22 - 14 - - 2 (719054)
 $2,15 - 1,6 \cdot 2,15$ ni hisoblang.
 $3,45 - 3\frac{3}{20}$
 A) -0,43 B) 0,43 C) 4,3 **D) -4,3**
433. 1.4-2 file-» 22 - 15 - - 2 (719055)
 $0,64 \cdot 4,5 - 4,5$ ni hisoblang.
 $1,05 - \frac{3}{5}$
A) -3,6 B) 0,36 C) -4,8 D) -0,36
434. 1.4-2 file-» 22 - 18 - - 2 (719056)
 $\frac{1}{16} \cdot (0,312 : 0,3 - 1\frac{1}{25}) + \frac{3}{16}$ ni hisoblang.
 A) $\frac{1}{4}$ **B) $\frac{3}{16}$** C) $-\frac{1}{16}$ D) $-\frac{1}{8}$
435. 1.4-2 file-» 23 - 5 - - 2 (719057)
 $\frac{2,1}{(4\frac{2}{5} \cdot 6\frac{1}{3} - 5\frac{19}{21} \cdot 4,4) \cdot \frac{5}{22}}$ ni hisoblang.
 A) 0,45 B) 4,5 C) 4,2 **D) 4,9**
436. 1.4-2 file-» 23 - 6 - - 2 (719058)
 $\frac{5}{19}(3\frac{4}{5} \cdot 5\frac{1}{3} + 6\frac{4}{15} \cdot 3,8)$
 0,005 ni hisoblang.
A) 2320 B) 1800 C) 2120 D) 2000
437. 1.4-2 file-» 23 - 15 - - 2 (719059)
 $8,45 + \frac{13}{17} \cdot 0,15 \cdot 1\frac{4}{13} \cdot 6\frac{2}{3}$
 $0,2 \cdot 4,3 + 0,19$ ni hisoblang.
 A) 10 B) 8 C) 12 **D) 9**
438. 1.4-2 file-» 22 - 19 - - 2 (719060)
 $2,8 \cdot (2\frac{1}{3} : 2,8 - 1) + 3\frac{4}{15}$ ni hisoblang.
A) $2\frac{4}{5}$ B) $2\frac{2}{3}$ C) $2\frac{1}{3}$ D) 2,8

439. 1.4-2 file-» 22 - 19 - - 2 (719061)
 $7\frac{5}{13} \cdot 2 - 1\frac{2}{5} \cdot 6 + 4 \cdot 2\frac{4}{13} - 2 \cdot 1\frac{2}{5}$ ni hisoblang.
 A) $11\frac{2}{5}$ B) 12 C) $12\frac{4}{5}$ D) $11\frac{8}{13}$
440. 1.4-2 file-» 23 - 16 - - 2 (719062)
 $\frac{5}{11} \cdot 0,006 \cdot 2\frac{1}{5} + 1\frac{1}{8} \cdot 1,004 \cdot \frac{8}{9}$ ni hisoblang.
 A) 40 B) 0,4 C) 20 D) 40,4
441. 1.4-2 file-» 23 - 19 - - 2 (719063)
 $\frac{400 - 21,5 \cdot 18,5}{1,5 \cdot 1\frac{1}{10} + 3,4 \cdot 1\frac{1}{2}}$ ni hisoblang.
 A) $\frac{3}{10}$ B) $\frac{1}{3}$ C) $\frac{3}{7}$ D) $\frac{5}{7}$
442. 1.4-2 file-» 5 - 13 - - 2 (719064)
 Detal 1:5 masshtabdagi chizmada 2,1 sm uzunlikka ega. Shu detal 1:3,5 masshtabdagi chizmada qancha (sm) uzunlikka ega bo'ladi?
A) 3 B) $2\frac{1}{3}$ C) $\frac{3}{5}$ D) 3,1
443. 1.4-2 file-» 22 - 23 - - 2 (719065)
 $3\frac{1}{5} \cdot (2\frac{1}{3} : 3,2 - 3) + 7,6$ ning qiymatini toping.
 A) $1\frac{2}{3}$ B) $2\frac{1}{3}$ C) $1\frac{1}{3}$ D) $\frac{1}{3}$
444. 1.4-2 file-» 22 - 25 - - 2 (719066)
 $(6\frac{1}{2} - 8\frac{3}{4}) : \frac{1}{8} + 12\frac{4}{7}$ ni hisoblang.
 A) $-7\frac{3}{7}$ B) $6\frac{3}{7}$ C) $-5\frac{3}{7}$ D) $-7\frac{5}{7}$
445. 1.4-2 file-» 22 - 25 - - 2 (719067)
 $10 - 2\frac{1}{2} : 3\frac{3}{4} + (2\frac{1}{2} - 1\frac{4}{9}) \cdot 3$ ni hisoblang.
A) $12\frac{1}{2}$ B) 9 C) $15\frac{2}{3}$ D) $16\frac{1}{3}$
446. 2.1-1 file-» 22 - 15 - - (36399)
 $25 - (8a - 3)^2$ ni kўpaytuvchilarga ajratib.
 A) $(8a + 2)(8a - 8)$ B) $(8a - 2)(8 + 8a)$
C) $(8a + 2)(8 - 8a)$ D) $(8a - 2)(8 - 8a)$
447. 2.1-1 file-» 28 - 1 - - (36619)
 Agar $ab = 9$ va $3b = 8$, 1с бўлса, a с ни ҳисобланг.
A) $3\frac{1}{3}$ B) $2\frac{5}{8}$ C) $2\frac{4}{9}$ D) $2\frac{1}{2}$

448. 2.1-1 file-» 28 - 2 - - (36677)
 $a = 4b$ ва $c + 12b = 0$ ($b \neq 0$) бўлса, $\frac{a}{c}$ ни топинг.
A) $-\frac{1}{3}$ B) $-\frac{1}{4}$ C) 3 D) -4
449. 2.1-1 file-» 22 - 1 - - (36733)
 $2\frac{1}{3} \cdot (\frac{6}{7}m - 3) - 1\frac{2}{3} \cdot (\frac{6}{5}m - 6)$ ни соддалаштиринг.
 A) $m - 2$ B) 4 C) $m + 3$ D) 3
450. 2.1-1 file-» 13 - 3 - - (56582)
 $\frac{\sqrt{32} + \sqrt{98} - \sqrt{50}}{\sqrt{72}} : \frac{1}{\sqrt{2}}$ ni ҳисобланг.
 A) 2 B) 1 C) $\sqrt{2}$ D) $2\sqrt{2}$
451. 2.1-1 file-» 13 - 4 - - (56638)
 $\frac{\sqrt[3]{-24} + \sqrt[3]{81} + \sqrt[3]{192} + 3\sqrt[3]{-375}}{\sqrt[3]{-375}} - 1$ ni ҳисобланг.
 A) -1 B) 1 C) 3 D) 0
452. 2.1-1 file-» 22 - 17 - - (56966)
 $a(b - c) - b(c - a) - c(a - b)$ ni соддалаштиринг.
 A) $-2ac$ B) $2ab - 2ac$ C) 0 D) $2ab - 2bc$
453. 2.1-1 file-» 22 - 18 - - (57026)
 $a(b + c - bc) - b(c + a - ac) - c(b + a)$ ni соддалаштиринг.
 A) $-2abc$ B) $2ac - 2bc$ C) $-2bc$
 D) $ab - ac$
454. 2.1-1 file-» 23 - 5 - - (57080)
 $\frac{x^3 - 8}{x^2 + 2x + 4} - \frac{x^3 + 8}{x^2 - 2x + 4}$ ni соддалаштиринг.
A) -4 B) $4x$ C) $-2x$ D) 0
455. 2.1-1 file-» 23 - 9 - - (57200)
 $\frac{x^3 + y^3}{x^2 - xy + y^2} - \frac{x^3 - y^3}{x^2 + xy + y^2}$ ni соддалаштиринг.
 A) $2x$ B) $2y$ C) $-2y$ D) $-2x$
456. 2.1-1 file-» 23 - 9 - - (57232)
 $\sqrt{a - 2a^{1/2}b^{1/2} + b} - \frac{a - b}{a^{1/2} - b^{1/2}}$
 ni соддалаштиринг ($b > a > 0$).
 A) $2a^{1/2} - 2b^{1/2}$ B) $-2a^{1/2}$ C) $-2b^{1/2}$
 D) 0
457. 2.1-1 file-» 13 - 1 - - 1 (64199)
 $\frac{y^2 - x^2}{2xy} : \frac{x + y}{2y}$ ni соддалаштиринг.
 A) $\frac{x - y}{y}$ B) $\frac{x - y}{y(1 + y)}$ C) $1 - \frac{x}{y}$ D) $\frac{y - x}{x}$

458. 2.1-1 file-» 23 - 16 - - 1 (86948)
 $\sqrt{\sqrt{56} + 2\sqrt{5}} \cdot \sqrt{\sqrt{56} - 2\sqrt{5}}$ ни ҳисобланг.
 A) 2 **B) 6** C) 3 D) 4
459. 2.1-1 file-» 23 - 19 - - 2 (109055)
 $\left(\frac{\sqrt{2+\sqrt{3}}}{\sqrt{2-\sqrt{3}}} + \frac{\sqrt{2-\sqrt{3}}}{\sqrt{2+\sqrt{3}}}\right)^2 - 2$ ни ҳисобланг.
 A) 12 **B) 14** C) 18 D) 16
460. 2.1-1 file-» 2 - 42 - - 5 (131687)
 $\frac{1 - b^{-1} + b^{-2}}{1 - b + b^2}$ ни соддалаштиринг.
 A) b^{-1} **B) b^{-2}** C) b^2 D) $b + 1$
461. 2.1-1 file-» 31 - 2 - - 5 (146254)
 $\frac{c - 2\sqrt{c} + 1}{1 - \sqrt{c}}$ касрни қисқартиринг.
 A) $\sqrt{c} - 1$ B) $c - 1$ C) $c + 1$ **D) $-\sqrt{c} + 1$**
462. 2.1-1 file-» 22 - 15 - - (315102)
 $25 - (8a - 3)^2$ ni ko'paytuvchilarga ajrating.
 A) $(8a + 2)(8a - 8)$ B) $(8a - 2)(8 + 8a)$
C) $(8a + 2)(8 - 8a)$ D) $(8a - 2)(8 - 8a)$
463. 2.1-1 file-» 28 - 1 - - (315103)
 Agar $ab = 9$ va $3b = 8$, $1c$ bo'lsa, ac ni hisoblang.
 A) $3\frac{1}{3}$ B) $2\frac{5}{8}$ C) $2\frac{4}{9}$ D) $2\frac{1}{2}$
464. 2.1-1 file-» 28 - 2 - - (315104)
 $a = 4b$ va $c + 12b = 0$ ($b \neq 0$) bo'lsa, $\frac{a}{c}$ ni toping.
 A) $-\frac{1}{3}$ B) $-\frac{1}{4}$ C) 3 D) -4
465. 2.1-1 file-» 22 - 1 - - (315105)
 $2\frac{1}{3} \cdot (\frac{6}{7}m - 3) - 1\frac{2}{3} \cdot (\frac{6}{5}m - 6)$ ni soddalashtiring.
 A) $m - 2$ B) 4 C) $m + 3$ **D) 3**
466. 2.1-1 file-» 13 - 3 - - (315106)
 $\frac{\sqrt{32} + \sqrt{98} - \sqrt{50}}{\sqrt{72}} : \frac{1}{\sqrt{2}}$ ni hisoblang.
 A) 2 B) 1 **C) $\sqrt{2}$** D) $2\sqrt{2}$
467. 2.1-1 file-» 13 - 4 - - (315107)
 $\frac{\sqrt[3]{-24} + \sqrt[3]{81} + \sqrt[3]{192} + 3\sqrt[3]{-375}}{\sqrt[3]{-375}} - 1$ ni hisoblang.
 A) -1 **B) 1** C) 3 D) 0
468. 2.1-1 file-» 22 - 17 - - (315108)
 $a(b - c) - b(c - a) - c(a - b)$ ni soddalashtiring.
 A) $-2ac$ **B) $2ab - 2ac$** C) 0
 D) $2ab - 2bc$
469. 2.1-1 file-» 22 - 18 - - (315109)
 $a(b + c - bc) - b(c + a - ac) - c(b + a)$ ni soddalashtiring.
 A) $-2abc$ B) $2ac - 2bc$ **C) $-2bc$**
 D) $ab - ac$
470. 2.1-1 file-» 23 - 5 - - (315110)
 $\frac{x^3 - 8}{x^2 + 2x + 4} - \frac{x^3 + 8}{x^2 - 2x + 4}$ ni soddalashtiring.
A) -4 B) $4x$ C) $-2x$ D) 0
471. 2.1-1 file-» 23 - 9 - - (315111)
 $\frac{x^3 + y^3}{x^2 - xy + y^2} - \frac{x^3 - y^3}{x^2 + xy + y^2}$ ni soddalashtiring.
 A) $2x$ **B) $2y$** C) $-2y$ D) $-2x$
472. 2.1-1 file-» 23 - 9 - - (315112)
 $\sqrt{a - 2a^{1/2}b^{1/2} + b} - \frac{a - b}{a^{1/2} - b^{1/2}}$
 ni soddalashtiring ($b > a > 0$).
 A) $2a^{1/2} - 2b^{1/2}$ **B) $-2a^{1/2}$** C) $-2b^{1/2}$
 D) 0
473. 2.1-1 file-» 13 - 1 - - 1 (315113)
 $\frac{y^2 - x^2}{2xy} : \frac{x + y}{2y}$ ni soddalashtiring.
 A) $\frac{x - y}{y}$ B) $\frac{x - y}{y(1 + y)}$ C) $1 - \frac{x}{y}$
D) $\frac{y - x}{x}$
474. 2.1-1 file-» 23 - 16 - - 1 (315114)
 $\sqrt{\sqrt{56} + 2\sqrt{5}} \cdot \sqrt{\sqrt{56} - 2\sqrt{5}}$ ni hisoblang.
 A) 2 **B) 6** C) 3 D) 4
475. 2.1-1 file-» 23 - 19 - - 2 (315115)
 $\left(\frac{\sqrt{2+\sqrt{3}}}{\sqrt{2-\sqrt{3}}} + \frac{\sqrt{2-\sqrt{3}}}{\sqrt{2+\sqrt{3}}}\right)^2 - 2$ ni hisoblang.
 A) 12 **B) 14** C) 18 D) 16
476. 2.1-1 file-» 2 - 42 - - 5 (315116)
 $\frac{1 - b^{-1} + b^{-2}}{1 - b + b^2}$ ni soddalashtiring.
 A) b^{-1} **B) b^{-2}** C) b^2 D) $b + 1$
477. 2.1-1 file-» 31 - 2 - - 5 (315117)
 $\frac{c - 2\sqrt{c} + 1}{1 - \sqrt{c}}$ kasrni qisqartiring.
 A) $\sqrt{c} - 1$ B) $c - 1$ C) $c + 1$
D) $-\sqrt{c} + 1$

478. 2.1-1 file-» 50 - 110 - - (401666)

Quyidagi sonlardan qaysi biri $\sqrt{\frac{5}{48}}$ ga teng emas?

- A) $\frac{\sqrt{5}}{\sqrt{16}\sqrt{3}}$ B) $\frac{1}{12}\sqrt{15}$ C) $\frac{1}{4}\frac{\sqrt{5}}{\sqrt{3}}$
D) $\frac{1}{12}\sqrt{5}$

479. 2.1-1 file-» 50 - 110 - - (401667)

Quyidagi sonlardan qaysi biri $\sqrt{\frac{7}{108}}$ ga teng emas?

- A) $\frac{\sqrt{7}}{\sqrt{36}\sqrt{3}}$ B) $\frac{1}{18}\sqrt{21}$ C) $\frac{1}{6}\frac{\sqrt{7}}{\sqrt{3}}$
D) $\frac{1}{18}\sqrt{7}$

480. 2.1-1 file-» 50 - 110 - - (401668)

Quyidagi sonlardan qaysi biri $\sqrt{\frac{11}{80}}$ ga teng emas?

- A) $\frac{\sqrt{11}}{\sqrt{16}\sqrt{5}}$ B) $\frac{1}{20}\sqrt{55}$ C) $\frac{1}{4}\frac{\sqrt{11}}{\sqrt{5}}$
D) $\frac{1}{20}\sqrt{11}$

481. 2.1-1 file-» 50 - 110 - - (401669)

Quyidagi sonlardan qaysi biri $\sqrt{\frac{13}{80}}$ ga teng emas?

- A) $\frac{\sqrt{13}}{\sqrt{16}\sqrt{5}}$ B) $\frac{1}{20}\sqrt{65}$ C) $\frac{1}{4}\frac{\sqrt{13}}{\sqrt{5}}$
D) $\frac{1}{20}\sqrt{13}$

482. 2.1-1 file-» 50 - 110 - - (401670)

Quyidagi sonlardan qaysi biri $\sqrt{\frac{17}{112}}$ ga teng emas?

- A) $\frac{\sqrt{17}}{\sqrt{16}\sqrt{7}}$ B) $\frac{1}{28}\sqrt{119}$ C) $\frac{1}{4}\frac{\sqrt{17}}{\sqrt{7}}$
D) $\frac{1}{28}\sqrt{17}$

483. 2.1-1 file-» 50 - 110 - - (401671)

Quyidagi sonlardan qaysi biri $\sqrt{\frac{23}{44}}$ ga teng emas?

- A) $\frac{\sqrt{23}}{\sqrt{4}\sqrt{11}}$ B) $\frac{1}{22}\sqrt{253}$ C) $\frac{1}{2}\frac{\sqrt{23}}{\sqrt{11}}$
D) $\frac{1}{22}\sqrt{23}$

484. 2.1-1 file-» 50 - 110 - - (401672)

Quyidagi sonlardan qaysi biri $\sqrt{\frac{19}{52}}$ ga teng emas?

- A) $\frac{\sqrt{19}}{\sqrt{4}\sqrt{13}}$ B) $\frac{1}{26}\sqrt{247}$ C) $\frac{1}{2}\frac{\sqrt{19}}{\sqrt{13}}$
D) $\frac{1}{26}\sqrt{19}$

485. 2.1-1 file-» 50 - 110 - - (401673)

Quyidagi sonlardan qaysi biri $\sqrt{\frac{13}{68}}$ ga teng emas?

- A) $\frac{\sqrt{13}}{\sqrt{4}\sqrt{17}}$ B) $\frac{1}{34}\sqrt{221}$ C) $\frac{1}{2}\frac{\sqrt{13}}{\sqrt{17}}$
D) $\frac{1}{34}\sqrt{13}$

486. 2.1-1 file-» 50 - 110 - - (401674)

Quyidagi sonlardan qaysi biri $\sqrt{\frac{17}{76}}$ ga teng emas?

- A) $\frac{\sqrt{17}}{\sqrt{4}\sqrt{19}}$ B) $\frac{1}{38}\sqrt{323}$ C) $\frac{1}{2}\frac{\sqrt{17}}{\sqrt{19}}$
D) $\frac{1}{38}\sqrt{17}$

487. 2.1-1 file-» 50 - 110 - - (401675)

Quyidagi sonlardan qaysi biri $\sqrt{\frac{11}{92}}$ ga teng emas?

- A) $\frac{\sqrt{11}}{\sqrt{4}\sqrt{23}}$ B) $\frac{1}{46}\sqrt{253}$ C) $\frac{1}{2}\frac{\sqrt{11}}{\sqrt{23}}$
D) $\frac{1}{46}\sqrt{11}$

488. 2.1-1 file-» 50 - 110 - - (401676)

Quyidagi sonlardan qaysi biri $\sqrt{\frac{17}{48}}$ ga teng emas?

- A) $\frac{\sqrt{17}}{\sqrt{16}\sqrt{3}}$ B) $\frac{1}{12}\sqrt{51}$ C) $\frac{1}{4}\frac{\sqrt{17}}{\sqrt{3}}$
D) $\frac{1}{12}\sqrt{17}$

489. 2.1-1 file-» 50 - 110 - - (401677)

Quyidagi sonlardan qaysi biri $\sqrt{\frac{13}{80}}$ ga teng emas?

- A) $\frac{\sqrt{13}}{\sqrt{16}\sqrt{5}}$ B) $\frac{1}{20}\sqrt{65}$ C) $\frac{1}{4}\frac{\sqrt{13}}{\sqrt{5}}$
D) $\frac{1}{20}\sqrt{13}$

490. 2.1-1 file-» 50 - 110 - - (401678)

Quyidagi sonlardan qaysi biri $\sqrt{\frac{11}{112}}$ ga teng emas?

- A) $\frac{\sqrt{11}}{\sqrt{16}\sqrt{7}}$ B) $\frac{1}{28}\sqrt{77}$ C) $\frac{1}{4}\frac{\sqrt{11}}{\sqrt{7}}$
 D) $\frac{1}{28}\sqrt{11}$

491. 2.1-1 file-» 50 - 110 - - (401679)

Quyidagi sonlardan qaysi biri $\sqrt{\frac{7}{176}}$ ga teng emas?

- A) $\frac{\sqrt{7}}{\sqrt{16}\sqrt{11}}$ B) $\frac{1}{44}\sqrt{77}$ C) $\frac{1}{4}\frac{\sqrt{7}}{\sqrt{11}}$
 D) $\frac{1}{44}\sqrt{7}$

492. 2.1-1 file-» 50 - 110 - - (401680)

Quyidagi sonlardan qaysi biri $\sqrt{\frac{5}{208}}$ ga teng emas?

- A) $\frac{\sqrt{5}}{\sqrt{16}\sqrt{13}}$ B) $\frac{1}{52}\sqrt{65}$ C) $\frac{1}{4}\frac{\sqrt{5}}{\sqrt{13}}$
 D) $\frac{1}{52}\sqrt{5}$

493. 2.1-1 file-» 5 - 3 - - 1 (704070)

Uchburchakning birinchi tomoni x ($x > 14$) sm, ikkinchi tomoni undan 9 sm qisqa, uchinchi tomoni esa birinchisidan 5 sm uzun. Shu uchburchakning perimetrini (sm) toping.

- A) $3x + 4$ B) $3x - 14$ C) $3x - 4$
 D) $3x + 14$

494. 2.1-1 file-» 5 - 3 - - 1 (704071)

$x^2 - x - 20$ kvadrat uchhadni chiziqli ko'paytuvchilarga ajrating.

- A) $(x - 5)(x + 4)$ B) $(x + 5)(x - 4)$
 C) $(x + 4)(5 - x)$ D) $(x + 5)(4 - x)$

495. 2.1-1 file-» 5 - 4 - - 1 (704072)

Uchburchakning birinchi tomoni x ($x > 15$) sm, ikkinchi tomoni undan 10 sm qisqa, uchinchi tomoni esa birinchisidan 5 sm uzun. Shu uchburchakning perimetrini (sm) toping.

- A) $3x - 5$ B) $3x + 5$ C) $3x - 15$
 D) $3x + 15$

496. 2.1-1 file-» 5 - 4 - - 1 (704073)

$x^2 + x - 30$ kvadrat uchhadni chiziqli ko'paytuvchilarga ajrating.

- A) $(x + 5)(x - 6)$ B) $(x + 6)(x - 5)$
 C) $(x + 5)(6 - x)$ D) $(x - 5)(6 - x)$

497. 2.1-1 file-» 5 - 5 - - 1 (704074)

Uchburchakning birinchi tomoni x ($x > 12$) sm, ikkinchi tomoni undan 8 sm qisqa, uchinchi tomoni esa birinchisidan 4 sm uzun. Shu uchburchakning perimetrini (sm) toping.

- A) $3x - 4$ B) $3x + 4$ C) $3x - 12$
 D) $3x + 12$

498. 2.1-1 file-» 22 - 13 - - 1 (704075)

$25 - (2c - 1)^2$ ni ko'paytuvchilarga ajrating.

- A) $(4 + 2c)(6 - 2c)$ B) $(4 - 2c)(6 - 2c)$
 C) $(4 - 2c)(6 + 2c)$ D) $(2c - 4)(2c - 6)$

499. 2.1-1 file-» 22 - 14 - - 1 (704076)

$25 - (2x - 3)^2$ ni ko'paytuvchilarga ajrating.

- A) $(2x + 2)(8 - 2x)$ B) $(2x - 2)(8 - 2x)$
 C) $(2x + 2)(2x - 8)$ D) $(2x - 2)(2x + 8)$

500. 2.1-1 file-» 22 - 15 - - 1 (704077)

$25 - (8a - 3)^2$ ni ko'paytuvchilarga ajrating.

- A) $(8a + 2)(8a - 8)$ B) $(8a - 2)(8 + 8a)$
 C) $(8a + 2)(8 - 8a)$ D) $(8a - 2)(8 - 8a)$

501. 2.1-1 file-» 13 - 3 - - 1 (704078)

$\frac{y^{2\pi} - x^{2\pi}}{x^\pi + y^\pi}$ ni qisqartiring.

- A) $x^\pi + y^\pi$ B) $-x^\pi + y^\pi$ C) $x - y$
 D) $x^\pi - y^\pi$

502. 2.1-1 file-» 13 - 4 - - 1 (704079)

$\frac{x^{\sqrt{\pi}} + y^{\sqrt{\pi}}}{y^{2\sqrt{\pi}} - x^{2\sqrt{\pi}}}$ ni qisqartiring.

- A) $\frac{1}{x^{\sqrt{\pi}} + y^{\sqrt{\pi}}}$ B) $x^{\sqrt{\pi}} + y^{\sqrt{\pi}}$
 C) $x^{\sqrt{\pi}} - y^{\sqrt{\pi}}$ D) $\frac{1}{-x^{\sqrt{\pi}} + y^{\sqrt{\pi}}}$

503. 2.1-1 file-» 22 - 17 - - 1 (704080)

$a(b - c) - b(c - a) - c(a - b)$ ni soddalashtiring.

- A) $-2ac$ B) $2ab - 2ac$ C) 0
 D) $2ab - 2bc$

504. 2.1-1 file-» 22 - 18 - - 1 (704081)

$a(b + c - bc) - b(c + a - ac) - c(b + a)$ ni soddalashtiring.

- A) $-2abc$ B) $2ac - 2bc$ C) $-2bc$
 D) $ab - ac$

505. 2.1-1 file-» 13 - 1 - - 1 (704082)

$\frac{y^2 - x^2}{2xy} : \frac{x + y}{2y}$ ni soddalashtiring.

- A) $\frac{x - y}{y}$ B) $\frac{x - y}{y(1 + y)}$ C) $1 - \frac{x}{y}$
 D) $\frac{y - x}{x}$

506. 2.1-1 file-» 23 - 16 - - 1 (704083)
 $\sqrt{\sqrt{56} + 2\sqrt{5}} \cdot \sqrt{\sqrt{56} - 2\sqrt{5}}$ ni hisoblang.
 A) 2 **B) 6** C) 3 D) 4
507. 2.1-1 file-» 2 - 42 - - 1 (704084)
 $\frac{1 - b^{-1} + b^{-2}}{1 - b + b^2}$ ni soddalashtiring.
 A) b^{-1} **B) b^{-2}** C) b^2 D) $b + 1$
508. 2.1-1 file-» 22 - 11 - - 2 (719068)
 $\frac{3}{7} \cdot (1\frac{2}{5}a + 2, 1) + \frac{3}{5} \cdot (\frac{2}{3}a - \frac{5}{6})$ ni soddalashtiring.
 A) $a + \frac{2}{5}$ B) $a + \frac{3}{4}$ C) $1\frac{2}{3}a - \frac{2}{5}$
D) $0,6 + a$
509. 2.1-1 file-» 22 - 12 - - 2 (719069)
 $2\frac{2}{3} \cdot (1\frac{1}{2}a - 2\frac{1}{4}) - 1\frac{1}{5} \cdot (2\frac{1}{2}a - \frac{5}{6})$ ni soddalashtiring.
A) $a - 5$ B) $7a - 7$ C) 7 D) $a - 1$
510. 2.1-1 file-» 28 - 1 - - 2 (719070)
 Agar $ab = 9$ va $3b = 8, 1c$ bo'lsa, ac ni hisoblang.
A) $3\frac{1}{3}$ B) $2\frac{5}{8}$ C) $2\frac{4}{9}$ D) $2\frac{1}{2}$
511. 2.1-1 file-» 22 - 1 - - 2 (719071)
 $2\frac{1}{3} \cdot (\frac{6}{7}m - 3) - 1\frac{2}{3} \cdot (\frac{6}{5}m - 6)$ ni soddalashtiring.
 A) $m - 2$ B) 4 C) $m + 3$ **D) 3**
512. 2.1-1 file-» 13 - 3 - - 2 (719072)
 $\frac{\sqrt{32} + \sqrt{98} - \sqrt{50}}{\sqrt{72}} : \frac{1}{\sqrt{2}}$ ni hisoblang.
 A) 2 B) 1 **C) $\sqrt{2}$** D) $2\sqrt{2}$
513. 2.1-1 file-» 13 - 4 - - 2 (719073)
 $\frac{\sqrt[3]{-24} + \sqrt[3]{81} + \sqrt[3]{192} + 3\sqrt[3]{-375}}{\sqrt[3]{-375}} - 1$ ni hisoblang.
 A) -1 **B) 1** C) 3 D) 0
514. 2.1-1 file-» 23 - 5 - - 2 (719074)
 $\frac{x^3 - 8}{x^2 + 2x + 4} - \frac{x^3 + 8}{x^2 - 2x + 4}$ ni soddalashtiring.
A) -4 B) $4x$ C) $-2x$ D) 0
515. 2.1-1 file-» 23 - 9 - - 2 (719075)
 $\sqrt{a - 2a^{1/2}b^{1/2} + b} - \frac{a - b}{a^{1/2} - b^{1/2}}$ ni soddalashtiring ($b > a > 0$).
 A) $2a^{1/2} - 2b^{1/2}$ **B) $-2a^{1/2}$** C) $-2b^{1/2}$
 D) 0

516. 2.1-1 file-» 23 - 19 - - 2 (719076)
 $\left(\frac{\sqrt{2 + \sqrt{3}}}{\sqrt{2 - \sqrt{3}}} + \frac{\sqrt{2 - \sqrt{3}}}{\sqrt{2 + \sqrt{3}}}\right)^2 - 2$ ni hisoblang.
 A) 12 **B) 14** C) 18 D) 16
517. 2.1-1 file-» 51 - 1 - - (719077)
 $2a^2b + 3a - 4ab^2 - 6b$ ko'phadni kupaytuvchilarga ajrating.
 A) $(2ab - 3)(a - 5b)$ **B) $(a - 2b)(2ab + 3)$**
 C) $(3 + 2ab)(a - 5b)$ D) $(2a^2 + b)(b - 5a)$
518. 2.1-1 file-» 51 - 1 - - (719078)
 $\left(\frac{a^3 - b^3}{a - b} + ab\right) : (a + b) + a - b$ ifodani soddalashtiring.
 A) $2b$ **B) $2a$** C) $-2b$ D) $-2a$
519. 2.1-1 file-» 51 - 1 - - (719079)
 $(9x^{-3} - x^{-3}y^2) \cdot \left(\frac{1}{x}\right)^{-3}$ ning $x = -6, 07$ va $y = 5$ bo'lgandagi qiymatini hisoblang.
 A) 14,07 **B) -16** C) -13,03 D) 16
520. 2.1-1 file-» 51 - 1 - - (719080)
 $\frac{27^{\frac{1}{2}} \cdot \sqrt[3]{4^2}}{\sqrt{3} \cdot 2^{\frac{1}{3}}}$ ni hisoblang.
A) 6 B) 12 C) 3 D) 8
521. 2.1-1 file-» 51 - 2 - - (719081)
 $\frac{1}{4 + 2\sqrt{3}} - \frac{1}{4 - 2\sqrt{3}}$ ni hisoblang.
 A) $\sqrt{3}$ **B) $-\sqrt{3}$** C) $2\sqrt{3}$ D) $-2\sqrt{3}$
522. 2.1-1 file-» 51 - 2 - - (719082)
 $8b + (5 - (b - (5b + 2)))$ ifodani soddalashtiring.
A) $12b + 7$ B) $2b + 3$ C) $2b + 7$
 D) $13b + 3$
523. 2.1-1 file-» 51 - 2 - - (719083)
 $\frac{xy - x + y - y^2}{x^2 - y^2}$ kasrni qisqartiring.
A) $-\frac{1 - y}{x + y}$ B) $\frac{1 - y}{x - y}$ C) $\frac{y}{x + y}$
 D) $-\frac{x}{x - y}$
524. 2.1-1 file-» 51 - 2 - - (719084)
 $\sqrt{313^2 - 312^2}$ ni hisoblang.
A) 25 B) 1 C) 625 D) 2
525. 2.1-1 file-» 51 - 2 - - (719085)
 $\frac{2^0 \cdot (x^0 + y^0 + z^0)^{-2}}{6^{-1} \cdot a^{-3}}$ ($xyz \neq 0$) ni soddalashtiring.
 A) $-\frac{3}{2}a^3$ B) $6a^3$ C) $\frac{4}{3}a^3$ **D) $\frac{2}{3}a^3$**

526. 2.1-2 file-» 23 - 3 - - (36521)
 $\frac{y^2 - 4y - 5}{y^2 - 1}$ ни қисқартиринг.
A) $\frac{y-5}{y-1}$ **B)** $\frac{5-y}{y-1}$ **C)** $\frac{y+5}{y-1}$ **D)** $\frac{y-5}{y+1}$
527. 2.1-2 file-» 23 - 3 - - (36544)
 $\frac{19}{\sqrt{20}-1} - 2\sqrt{5} + 4$ ни соддалаштиринг.
A) 6 **B)** 5 **C)** $2\sqrt{5} + 4$ **D)** 4
528. 2.1-2 file-» 23 - 4 - - (36580)
 $\frac{n^2 - 8n + 7}{n^2 - 1}$ ни қисқартиринг.
A) $\frac{n+7}{n-1}$ **B)** $\frac{n-7}{n+1}$ **C)** $\frac{n+7}{n+1}$ **D)** $\frac{n-7}{n-1}$
529. 2.1-2 file-» 23 - 4 - - (36603)
 $\frac{19}{\sqrt{20}+1} + 4 - 2\sqrt{5}$ ни соддалаштиринг.
A) 6 **B)** 3 **C)** $4\sqrt{5} - 7$ **D)** $4\sqrt{5} - 6$
530. 2.1-2 file-» 22 - 1 - - (36752)
 $\frac{4 + \sqrt{8}}{4 - \sqrt{8}} - \frac{4 - \sqrt{8}}{4 + \sqrt{8}}$ нинг қийматини топинг.
A) $4\sqrt{2}$ **B)** $\frac{3\sqrt{8}}{8}$ **C)** $4\frac{2}{5}$ **D)** $\frac{\sqrt{8}+8}{4}$
531. 2.1-2 file-» 22 - 17 - - (56973)
 $(\frac{4a}{4-a^2} - \frac{a-2}{4+2a}) \cdot \frac{2}{a+2} + \frac{a+1}{2-a}$ ни соддалаштиринг.
A) -1 **B)** $\frac{2+a}{2-a}$ **C)** $\frac{3+a}{2-a}$ **D)** 1
532. 2.1-2 file-» 22 - 18 - - (57033)
 $\frac{1-x^2}{1+x^2} \cdot (\frac{1}{(x-1)^2} - \frac{x}{1-x^2})$ ни соддалаштиринг.
A) $\frac{1}{1-x}$ **B)** -1 **C)** $\frac{x+1}{1-x}$ **D)** $\frac{1}{x-1}$
533. 2.1-2 file-» 23 - 5 - - (57101)
 $\frac{x^{-3} + 8}{x^{-2} - 2x^{-1} + 4}$ нинг $x = 0, 25$ даги қийматини ҳисобланг.
A) 6 **B)** 3 **C)** 4 **D)** 5
534. 2.1-2 file-» 23 - 6 - - (57138)
 $\frac{a^2 + ab + b^2}{a^3 - b^3} + \frac{a^2 - ab + b^2}{a^3 + b^3}$ ни соддалаштиринг.
A) $\frac{2b}{b^2 - a^2}$ **B)** $\frac{2a}{a^2 - b^2}$ **C)** $\frac{2b}{a^2 - b^2}$
D) $\frac{2a}{b^2 - a^2}$
535. 2.1-2 file-» 23 - 15 - - 2 (64299)
 $\sqrt{12\sqrt[3]{18}} \cdot \sqrt[6]{96}$ ни ҳисобланг.
A) 6 **B)** 18 **C)** 9 **D)** 12
536. 2.1-2 file-» 2 - 1 - - 6 (67905)
 $a^2 + \frac{9}{a^2} = 31$ бўлса, $a - \frac{3}{a}$ нимага тенг?
A) 3 **B)** -3 **C)** ± 5 **D)** ± 4
537. 2.1-2 file-» 22 - 19 - - 4 (69926)
 $(a+b-2)(a+b) - (a-b)^2 + 1$ ни кўпайтувчиларга ажратинг.
A) $(2a-1)(2b-1)$ **B)** $(2a+1)(2b+1)$
C) $2b(a+1)$ **D)** $(a+1)(2b-1)$
538. 2.1-2 file-» 22 - 19 - - 4 (69936)
 $\frac{5x+6}{x^2-4} - \frac{x}{x^2-4} : \frac{x}{x-2} + 1$ ифодани соддалаштиринг.
A) 1 **B)** -1 **C)** $\frac{x-2}{x+2}$ **D)** $\frac{x+2}{x-2}$
539. 2.1-2 file-» 23 - 11 - - 9 (70979)
 $(\frac{1}{a(a+1)} + \frac{1}{(a+1)(a+2)}) \cdot \frac{a^2+2a}{8}$ ни соддалаштиринг.
A) $\frac{1}{6}$ **B)** $\frac{1}{8}$ **C)** $\frac{3}{4}$ **D)** $\frac{1}{4}$
540. 2.1-2 file-» 19 - 2 - - 3 (87498)
 $4\sqrt{7\frac{1}{2}} - \frac{2\sqrt{10}}{2\sqrt{3}-\sqrt{10}} + 8 + 3\sqrt{10}$ ни соддалаштиринг.
A) $2 - 3\sqrt{10}$ **B)** 10 **C)** $3\sqrt{10} - 2$ **D)** -10
541. 2.1-2 file-» 5 - 11 - - 5 (93384)
 $\frac{x^3 - 2x^2}{3x + 3} : \frac{x^2 - 4}{3x^2 + 9x + 6}$ ни соддалаштиринг.
A) x^2 **B)** $\frac{x^2(x+1)}{x+2}$ **C)** $\frac{x^2(x-1)}{x+2}$
D) $\frac{x^2(x-2)}{x+2}$
542. 2.1-2 file-» 22 - 20 - - 6 (96060)
 $(\frac{1}{m^2 - m} - \frac{1}{m - 1}) \cdot \frac{m}{m + 2} + \frac{m + 1}{m + 2}$ ни соддалаштиринг.
A) $\frac{2m-2}{m^2-4}$ **B)** $\frac{m}{m-2}$ **C)** $\frac{2}{m^2-4}$
D) $\frac{m}{m+2}$
543. 2.1-2 file-» 22 - 20 - - 6 (96062)
 $(a+b)(a-b+1) + (a-b)(a+b-1) - 2b$ ни соддалаштиринг.
A) 2b **B)** $2a - 2b$ **C)** 2a **D)** $2a^2 - 2b^2$

544. 2.1-2 file-» 16 - 7 - - 6 (105894)

$$\frac{\sqrt[3]{(5+2\sqrt{6})^2}}{\sqrt[3]{5-\sqrt{24}}} - 6 - \sqrt{24} \text{ ni ҳисобланг.}$$

A) -1 B) -3 C) -7 D) -8

545. 2.1-2 file-» 22 - 21 - - 4 (105932)

$(a+b)(a+b+1) - (a-b)(a-b-1)$ ни кўпайтувчиларга ажратинг.

A) $2(a+b)(b+1)$ B) $4a(b+1)$ C) $2a(b-1)$
D) $2a(2b+1)$

546. 2.1-2 file-» 23 - 3 - - (315118)

$\frac{y^2 - 4y - 5}{y^2 - 1}$ ni qisqartiring.

A) $\frac{y-5}{y-1}$ B) $\frac{5-y}{y-1}$ C) $\frac{y+5}{y-1}$ D) $\frac{y-5}{y+1}$

547. 2.1-2 file-» 23 - 3 - - (315119)

$\frac{19}{\sqrt{20}-1} - 2\sqrt{5} + 4$ ni soddallashtiring.

A) 6 B) 5 C) $2\sqrt{5} + 4$ D) 4

548. 2.1-2 file-» 23 - 4 - - (315120)

$\frac{n^2 - 8n + 7}{n^2 - 1}$ ni qisqartiring.

A) $\frac{n+7}{n-1}$ B) $\frac{n-7}{n+1}$ C) $\frac{n+7}{n+1}$ D) $\frac{n-7}{n-1}$

549. 2.1-2 file-» 23 - 4 - - (315121)

$\frac{19}{\sqrt{20}+1} + 4 - 2\sqrt{5}$ ni soddallashtiring.

A) 6 B) 3 C) $4\sqrt{5} - 7$ D) $4\sqrt{5} - 6$

550. 2.1-2 file-» 22 - 1 - - (315122)

$\frac{4+\sqrt{8}}{4-\sqrt{8}} - \frac{4-\sqrt{8}}{4+\sqrt{8}}$ ning qiymatini toping.

A) $4\sqrt{2}$ B) $\frac{3\sqrt{8}}{8}$ C) $4\frac{2}{5}$ D) $\frac{\sqrt{8}+8}{4}$

551. 2.1-2 file-» 22 - 17 - - (315123)

$(\frac{4a}{4-a^2} - \frac{a-2}{4+2a}) \cdot \frac{2}{a+2} + \frac{a+1}{2-a}$ ni soddallashtiring.

A) -1 B) $\frac{2+a}{2-a}$ C) $\frac{3+a}{2-a}$ D) 1

552. 2.1-2 file-» 22 - 18 - - (315124)

$\frac{1-x^2}{1+x^2} \cdot (\frac{1}{(x-1)^2} - \frac{x}{1-x^2})$ ni soddallashtiring.

A) $\frac{1}{1-x}$ B) -1 C) $\frac{x+1}{1-x}$ D) $\frac{1}{x-1}$

553. 2.1-2 file-» 23 - 5 - - (315125)

$\frac{x^{-3}+8}{x^{-2}-2x^{-1}+4}$ ning $x=0,25$ dagi qiymatini hisoblang.

A) 6 B) 3 C) 4 D) 5

554. 2.1-2 file-» 23 - 6 - - (315126)

$\frac{a^2+ab+b^2}{a^3-b^3} + \frac{a^2-ab+b^2}{a^3+b^3}$ ni soddallashtiring.

A) $\frac{2b}{b^2-a^2}$ B) $\frac{2a}{a^2-b^2}$ C) $\frac{2b}{a^2-b^2}$
D) $\frac{2a}{b^2-a^2}$

555. 2.1-2 file-» 23 - 15 - - 2 (315127)

$\sqrt{12\sqrt[3]{18}} \cdot \sqrt[6]{96}$ ni hisoblang.

A) 6 B) 18 C) 9 D) 12

556. 2.1-2 file-» 2 - 1 - - 6 (315128)

$a^2 + \frac{9}{a^2} = 31$ bo'lsa, $a - \frac{3}{a}$ nimaga teng?

A) 3 B) -3 C) ± 5 D) ± 4

557. 2.1-2 file-» 22 - 19 - - 4 (315129)

$(a+b-2)(a+b) - (a-b)^2 + 1$ ni ko'paytuvchilarga ajrating.

A) $(2a-1)(2b-1)$ B) $(2a+1)(2b+1)$
C) $2b(a+1)$ D) $(a+1)(2b-1)$

558. 2.1-2 file-» 22 - 19 - - 4 (315130)

$\frac{5x+6}{x^2-4} - \frac{x}{x^2-4} : \frac{x}{x-2} + 1$ ifodani soddallashtiring.

A) 1 B) -1 C) $\frac{x-2}{x+2}$ D) $\frac{x+2}{x-2}$

559. 2.1-2 file-» 23 - 11 - - 9 (315131)

$(\frac{1}{a(a+1)} + \frac{1}{(a+1)(a+2)}) \cdot \frac{a^2+2a}{8}$ ni soddallashtiring.

A) $\frac{1}{6}$ B) $\frac{1}{8}$ C) $\frac{3}{4}$ D) $\frac{1}{4}$

560. 2.1-2 file-» 19 - 2 - - 3 (315132)

$4\sqrt{7\frac{1}{2} - \frac{2\sqrt{10}}{2\sqrt{3}-\sqrt{10}}} + 8 + 3\sqrt{10}$ ni soddallashtiring.

A) $2 - 3\sqrt{10}$ B) 10 C) $3\sqrt{10} - 2$
D) -10

561. 2.1-2 file-» 5 - 11 - - 5 (315133)

$\frac{x^3-2x^2}{3x+3} : \frac{x^2-4}{3x^2+9x+6}$ ni soddallashtiring.

A) x^2 B) $\frac{x^2(x+1)}{x+2}$ C) $\frac{x^2(x-1)}{x+2}$
D) $\frac{x^2(x-2)}{x+2}$

562. 2.1-2 file-» 22 - 20 - - 6 (315134)
 $\left(\frac{1}{m^2 - m} - \frac{1}{m - 1}\right) \cdot \frac{m}{m + 2} + \frac{m + 1}{m + 2}$ ni soddalashtiring.
 A) $\frac{2m - 2}{m^2 - 4}$ B) $\frac{m}{m - 2}$ C) $\frac{2}{m^2 - 4}$
 D) $\frac{m}{m + 2}$
563. 2.1-2 file-» 22 - 20 - - 6 (315135)
 $(a + b)(a - b + 1) + (a - b)(a + b - 1) - 2b$ ni soddalashtiring.
 A) $2b$ B) $2a - 2b$ C) $2a$ D) $2a^2 - 2b^2$
564. 2.1-2 file-» 16 - 7 - - 6 (315136)
 $\frac{\sqrt[3]{(5 + 2\sqrt{6})^2}}{\sqrt[3]{5 - \sqrt{24}}} - 6 - \sqrt{24}$ ni hisoblang.
 A) -1 B) -3 C) -7 D) -8
565. 2.1-2 file-» 22 - 21 - - 4 (315137)
 $(a + b)(a + b + 1) - (a - b)(a - b - 1)$ ni ko'paytuvchilarga ajrating.
 A) $2(a + b)(b + 1)$ B) $4a(b + 1)$
 C) $2a(b - 1)$ D) $2a(2b + 1)$
566. 2.1-2 file-» 23 - 5 - - (315138)
 $\frac{1}{2 + \sqrt{3}} + \frac{2}{\sqrt{3} - 1} - 1$ ni hisoblang.
 A) 2 B) 3 C) 4 D) $\sqrt{3}$
567. 2.1-2 file-» 16 - 3 - - 5 (315139)
 Agar $\sqrt{t^5 + 3} - \sqrt{t^5 - 2} = 2$ bo'lsa, $\sqrt{t^5 + 3} + \sqrt{t^5 - 2}$ ning qiymati nechaga teng bo'ladi?
 A) 2 B) $3,5$ C) 1 D) $2,5$
568. 2.1-2 file-» 22 - 19 - - 4 (315140)
 Agar $\frac{4b + a}{5a - 7b} = \frac{7}{8}$ bo'lsa, $\frac{3a^2 - 4ab + b^2}{5a^2 + 3b^2}$ ning qiymati nimaga teng bo'ladi?
 A) $\frac{1}{3}$ B) $\frac{22}{47}$ C) $0,5$ D) $\frac{9}{22}$
569. 2.1-2 file-» 16 - 4 - - 11 (315141)
 Agar $\sqrt{13 + z^3} - \sqrt{z^3 - 14} = 3,375$ bo'lsa, $\sqrt{13 + z^3} + \sqrt{z^3 - 14}$ ning qiymati nechaga teng bo'ladi?
 A) 5 B) 6 C) 7 D) 8
570. 2.1-2 file-» 30 - 1 - - 12 (315142)
 $\frac{x^3 + 1}{x^4 + x^2 + 1}$ kasrni qisqartiring.
 A) $\frac{x - 1}{x^2 - x + 1}$ B) $\frac{x}{x + 2}$ C) $\frac{x + 1}{x^2 + x + 1}$
 D) $\frac{x - 2}{x^2 - x - 1}$
571. 2.1-2 file-» 22 - 20 - - 6 (315143)
 $4y(5x - y) - (5x - 2)(5x + 2) + 2$ ning eng katta qiymatini toping.
 A) 6 B) 5 C) 4 D) 2
572. 2.1-2 file-» 16 - 5 - - 10 (315144)
 $(x + 6)(x + 4)(x + 2)x$ ko'paytmaning eng kichik qiymatini toping.
 A) -25 B) 9 C) -9 D) -16
573. 2.1-2 file-» 19 - 4 - - 3 (315145)
 n ning nechta butun qiymatida $\frac{n^2 - 5n - 2}{n + 1}$ kasr butun son bo'ladi?
 A) 6 B) 2 C) 3 D) 4
574. 2.1-2 file-» 19 - 4 - - 3 (315146)
 Agar $(\sqrt{3} + 2)a = 1$ va $(\sqrt{3} - 2)b = -1$ bo'lsa, $(a + 1)^{-1} - (b + 1)^{-1}$ ning qiymatini hisoblang.
 A) $\frac{1}{\sqrt{3}}$ B) $0,5$ C) $\frac{2}{\sqrt{3}}$ D) $\sqrt{3}$
575. 2.1-2 file-» 2 - 6 - - 11 (315147)
 Agar $a(x - 1)^2 + b(x - 1) + c = 2x^2 - 5x + 8$ ayniyat bo'lsa, $a + b + c$ yig'indi nechaga teng bo'ladi?
 A) 7 B) 8 C) 6 D) 4
576. 2.1-2 file-» 2 - 6 - - (315148)
 Agar $\frac{5x + 1}{x^2 - x - 12} = \frac{a}{x + 3} + \frac{b}{x - 4}$ ayniyat bo'lsa, $b - a$ ni toping.
 A) 6 B) -1 C) -6 D) 1
577. 2.1-2 file-» 23 - 19 - - 2 (315149)
 $\left(\frac{a^{\frac{1}{2}} + 1}{a^{\frac{1}{2}} - 1} + \frac{a^{\frac{1}{2}} - 1}{a^{\frac{1}{2}} + 1} - \frac{4}{a - 1}\right)^{-3} - \frac{1}{4}$ ni soddalashtiring.
 A) $\frac{3}{8}$ B) $-\frac{5}{8}$ C) $\frac{1}{8}$ D) $-\frac{1}{8}$
578. 2.1-2 file-» 35 - 1 - - 1 (315150)
 Agar $x = (\sqrt{8} - 5)/2$ bo'lsa, $(x + 1)(x + 2)(x + 3)(x + 4)$ ning qiymatini hisoblang.
 A) $\frac{7}{16}$ B) $-\frac{7}{16}$ C) 1 D) -1
579. 2.1-2 file-» 16 - 8 - - 3 (315151)
 $\begin{cases} x^3 - y^3 = 152, \\ x - y = 2. \end{cases}$
 $x \cdot y$ -?
 A) 12 B) 4 C) 24 D) 6
580. 2.1-2 file-» 2 - 42 - - 4 (315152)
 Agar $a = 39 - \sqrt{432}$ bo'lsa, $\sqrt{a} + \sqrt{3}$ ifodaning qiymatini aniqlang.
 A) 4 B) 6 C) 5 D) $6 + \sqrt{3}$

581. 2.1-2 file-» 19 - 7 - - 12 (315153)
 $\left(\frac{\sqrt{y}-\sqrt{x}}{y-\sqrt{xy}+x}+\frac{x}{x\sqrt{x}+y\sqrt{y}}\right) \cdot \frac{x\sqrt{x}+y\sqrt{y}}{y}$ ni soddalashtiring.

- A) $\sqrt{x}+\sqrt{y}$ B) $\sqrt{x}-\sqrt{y}$ **C) 1** D) \sqrt{y}

582. 2.1-2 file-» 37 - 1 - - 3 (315154)
 Agar $\frac{4x^2-4xy+3y^2}{2y^2+2xy-5x^2}=1$ bo'lsa, $\frac{2x-y}{2x+y}$ ning qiymati nimaga teng?

- A) $-\frac{1}{5}$ B) -2 C) $\frac{1}{2}$ D) $-\frac{1}{2}$

583. 2.1-2 file-» 37 - 2 - - 4 (315155)
 Agar $\frac{4x^2-4xy+3y^2}{2y^2+2xy-5x^2}=1$ bo'lsa, $\frac{4x-y}{4x+y}$ ning qiymati nimaga teng?

- A) $\frac{1}{7}$ B) -2 C) $\frac{1}{2}$ D) $-\frac{1}{2}$

584. 2.1-2 file-» 31 - 2 - - 5 (315156)
 Ifodani soddalashtiring:

$$\left(\frac{20}{\sqrt{6}+1}+\frac{4}{\sqrt{6}-2}-\frac{12}{3-\sqrt{6}}\right) \cdot (2\sqrt{6}+12).$$

- A) -115 B) 127 **C) -120** D) -116

585. 2.1-2 file-» 31 - 2 - - 5 (315157)
 Agar $a+a^{-1}=6$ bo'lsa, a^3+a^{-3} ni hisoblang.

- A) 216 **B) 198** C) 234 D) 210

586. 2.1-2 file-» 22 - 25 - - 8 (315158)
 $\sqrt{17-12\sqrt{2}} \cdot (9+6\sqrt{2})$ ning qiymatini hisoblang.

- A) $2\sqrt{2}$ **B) 3** C) $\sqrt{3+\sqrt{8}}$ D) 2

587. 2.1-2 file-» 23 - 3 - - 1 (704085)
 $\frac{y^2-4y-5}{y^2-1}$ ni qisqartiring.

- A) $\frac{y-5}{y-1}$ B) $\frac{5-y}{y-1}$ C) $\frac{y+5}{y-1}$ D) $\frac{y-5}{y+1}$

588. 2.1-2 file-» 23 - 3 - - 1 (704086)
 $\frac{19}{\sqrt{20}-1}-2\sqrt{5}+4$ ni soddalashtiring.

- A) 6 **B) 5** C) $2\sqrt{5}+4$ D) 4

589. 2.1-2 file-» 23 - 4 - - 1 (704087)
 $\frac{n^2-8n+7}{n^2-1}$ ni qisqartiring.

- A) $\frac{n+7}{n-1}$ **B) $\frac{n-7}{n+1}$** C) $\frac{n+7}{n+1}$ D) $\frac{n-7}{n-1}$

590. 2.1-2 file-» 23 - 4 - - 1 (704088)
 $\frac{19}{\sqrt{20}+1}+4-2\sqrt{5}$ ni soddalashtiring.

- A) 6 **B) 3** C) $4\sqrt{5}-7$ D) $4\sqrt{5}-6$

591. 2.1-2 file-» 22 - 1 - - 1 (704089)
 $\frac{4+\sqrt{8}}{4-\sqrt{8}}-\frac{4-\sqrt{8}}{4+\sqrt{8}}$ ning qiymatini toping.

- A) $4\sqrt{2}$ B) $\frac{3\sqrt{8}}{8}$ C) $4\frac{2}{5}$ D) $\frac{\sqrt{8}+8}{4}$

592. 2.1-2 file-» 22 - 17 - - 1 (704090)
 $\left(\frac{4a}{4-a^2}-\frac{a-2}{4+2a}\right) \cdot \frac{2}{a+2}+\frac{a+1}{2-a}$ ni soddalashtiring.

- A) -1 **B) $\frac{2+a}{2-a}$** C) $\frac{3+a}{2-a}$ D) 1

593. 2.1-2 file-» 22 - 18 - - 1 (704091)
 $\frac{1-x^2}{1+x^2} \cdot \left(\frac{1}{(x-1)^2}-\frac{x}{1-x^2}\right)$ ni soddalashtiring.

- A) $\frac{1}{1-x}$ B) -1 C) $\frac{x+1}{1-x}$ D) $\frac{1}{x-1}$

594. 2.1-2 file-» 23 - 5 - - 1 (704092)
 $\frac{x^{-3}+8}{x^{-2}-2x^{-1}+4}$ ning $x=0,25$ dagi qiymatini hisoblang.

- A) 6 B) 3 C) 4 D) 5

595. 2.1-2 file-» 23 - 6 - - 1 (704093)
 $\frac{a^2+ab+b^2}{a^3-b^3}+\frac{a^2-ab+b^2}{a^3+b^3}$ ni soddalashtiring.

- A) $\frac{2b}{b^2-a^2}$ **B) $\frac{2a}{a^2-b^2}$** C) $\frac{2b}{a^2-b^2}$
 D) $\frac{2a}{b^2-a^2}$

596. 2.1-2 file-» 23 - 15 - - 1 (704094)
 $\sqrt{12\sqrt[3]{18}} \cdot \sqrt[9]{96}$ ni hisoblang.

- A) 6 B) 18 C) 9 **D) 12**

597. 2.1-2 file-» 2 - 1 - - 1 (704095)
 $a^2+\frac{9}{a^2}=31$ bo'lsa, $a-\frac{3}{a}$ nimaga teng?

- A) 3 B) -3 **C) ± 5** D) ± 4

598. 2.1-2 file-» 22 - 19 - - 1 (704096)
 $(a+b-2)(a+b)-(a-b)^2+1$ ni ko'paytuvchilarga ajrating.

- A) $(2a-1)(2b-1)$ B) $(2a+1)(2b+1)$
 C) $2b(a+1)$ D) $(a+1)(2b-1)$

599. 2.1-2 file-» 22 - 19 - - 1 (704097)
 $\frac{5x+6}{x^2-4} - \frac{x}{x^2-4} : \frac{x}{x-2} + 1$ ifodani soddalashtiring.
 A) 1 B) -1 C) $\frac{x-2}{x+2}$ **D) $\frac{x+2}{x-2}$**
600. 2.1-2 file-» 23 - 11 - - 1 (704098)
 $\left(\frac{1}{a(a+1)} + \frac{1}{(a+1)(a+2)}\right) \cdot \frac{a^2+2a}{8}$ ni soddalashtiring.
 A) $\frac{1}{6}$ B) $\frac{1}{8}$ C) $\frac{3}{4}$ **D) $\frac{1}{4}$**
601. 2.1-2 file-» 19 - 2 - - 1 (704099)
 $4\sqrt{\frac{1}{7} - \frac{2\sqrt{10}}{2\sqrt{3} - \sqrt{10}}} + 8 + 3\sqrt{10}$ ni soddalashtiring.
 A) $2 - 3\sqrt{10}$ B) 10 **C) $3\sqrt{10} - 2$**
 D) -10
602. 2.1-2 file-» 22 - 11 - - 2 (719086)
 $\frac{3+\sqrt{7}}{3-\sqrt{7}} + \frac{3-\sqrt{7}}{3+\sqrt{7}}$ ning qiymatini toping.
 A) $4 + \sqrt{7}$ **B) 16** C) $6\sqrt{7}$ D) 3
603. 2.1-2 file-» 22 - 12 - - 2 (719087)
 $\frac{4-\sqrt{2}}{4+\sqrt{2}} + \frac{4+\sqrt{2}}{4-\sqrt{2}}$ ning qiymatini toping.
 A) $\frac{8\sqrt{2}}{7}$ B) $8\sqrt{2}$ C) 6 **D) $2\frac{4}{7}$**
604. 2.1-2 file-» 22 - 14 - - 2 (719088)
 $\left(\frac{x^{\frac{1}{2}} - y^{\frac{1}{2}}}{x-y} - \frac{1}{x^{\frac{1}{2}} - y^{\frac{1}{2}}}\right) \cdot \frac{x + 2x^{\frac{1}{2}} \cdot y^{\frac{1}{2}} + y}{2y^{\frac{1}{2}}}$ ni soddalashtiring.
 A) $\sqrt{x} + \sqrt{y}$ B) $\frac{1}{\sqrt{x} - \sqrt{y}}$
 C) $\frac{\sqrt{y} - \sqrt{x}}{2(\sqrt{x} + \sqrt{y})}$ **D) $\frac{\sqrt{x} + \sqrt{y}}{\sqrt{y} - \sqrt{x}}$**
605. 2.1-2 file-» 23 - 2 - - 2 (719089)
 $\frac{x^2-25}{x^2-6x+5}$ ni qisqartiring.
A) $\frac{x+5}{x-1}$ B) $\frac{x-5}{x-1}$ C) $\frac{x+5}{x+1}$ D) $\frac{x-5}{x+1}$
606. 2.1-2 file-» 23 - 2 - - 2 (719090)
 $2\sqrt{3} + 3 - \frac{11}{\sqrt{12}-1}$ ni soddalashtiring.
 A) $2\sqrt{3} - 4$ B) 4 C) -4 **D) 2**
607. 2.1-2 file-» 17 - 1 - - 2 (719091)
 $13^2 - (x+7)^2 - (5-x) \cdot (19+x)$ ni soddalashtiring.
 A) 0 B) 50 **C) 25** D) 90

608. 2.1-2 file-» 13 - 1 - - 2 (719092)
 $\left(\frac{1}{\sqrt{a} + \sqrt{b}} - \frac{\sqrt{a} + \sqrt{b}}{a-b}\right) \cdot \frac{\sqrt{a} - \sqrt{b}}{2\sqrt{b}}$ ni soddalashtiring.
 A) $\frac{\sqrt{b} - \sqrt{a}}{\sqrt{a} + \sqrt{b}}$ B) $\frac{\sqrt{a} - \sqrt{b}}{\sqrt{a} + \sqrt{b}}$ C) $\frac{\sqrt{b} + \sqrt{a}}{\sqrt{a} - \sqrt{b}}$
D) $-\frac{1}{\sqrt{a} + \sqrt{b}}$
609. 2.1-2 file-» 2 - 1 - - 2 (719093)
 $\frac{1}{2+\sqrt{3}} - \frac{2}{\sqrt{5}-\sqrt{3}} + \frac{1}{2+\sqrt{5}}$ ning qiymatini toping.
 A) 4 B) 0 C) $\sqrt{5} - \sqrt{3}$ **D) $-2\sqrt{3}$**
610. 2.1-2 file-» 22 - 19 - - 2 (719094)
 $\frac{4}{9} \cdot \left(4\frac{1}{2}y - 3\frac{3}{4}\right) - \frac{2}{7} \cdot \left(1\frac{1}{6} - 3\frac{1}{2}y\right)$ ni soddalashtiring.
A) $3y - 2$ B) $2y + 1$ C) $3y - 1$
 D) $\frac{2}{3}y - \frac{1}{3}$
611. 2.1-2 file-» 23 - 16 - - 2 (719095)
 Agar $a - b = 1$ va $(a^2 - b^2)(a - b) = 9$ bo'lsa, $a^2 + b^2$ ning qiymatini toping.
 A) 39 **B) 41** C) 21 D) 20
612. 2.1-2 file-» 51 - 1 - - (719096)
 $(a+1)^{-1} + (b+1)^{-1}$ ning $a = (2 + \sqrt{3})^{-1}$ va $b = (2 - \sqrt{3})^{-1}$ bo'lgandagi qiymatini hisoblang.
 A) 6 **B) 1** C) 3 D) 4
613. 2.1-2 file-» 51 - 1 - - (719097)
 Javoblardan qaysi biri $\sqrt{\frac{3}{80}}$ ifodaga teng emas?
 A) $\frac{\sqrt{3}}{\sqrt{16} \cdot \sqrt{5}}$ B) $\frac{\sqrt{15}}{20}$ C) $\frac{\sqrt{3}}{4\sqrt{5}}$ **D) $\frac{\sqrt{3}}{5\sqrt{4}}$**
614. 2.1-2 file-» 51 - 1 - - (719098)
 $\frac{2^{\frac{1}{4}} \cdot \sqrt[3]{5}}{\sqrt[3]{100}}$ ni hisoblang.
 A) $2^{\frac{11}{12}} \cdot 5^{-\frac{1}{3}}$ B) $2^{\frac{1}{12}} \cdot 5$ **C) $2^{-\frac{5}{12}} \cdot 5^{-\frac{1}{3}}$**
 D) $2^{\frac{5}{12}} \cdot 5^{\frac{1}{3}}$
615. 2.1-2 file-» 51 - 1 - - (719099)
 $x = -\frac{23}{48}$ bo'lganda $\sqrt{3x+2}$ ifodaning qiymatini toping.
A) $\frac{3}{4}$ B) $\frac{1}{4}$ C) $\frac{1}{2}$
 D) $x = -\frac{23}{48}$ da ifoda ma'noga ega emas

616. 2.1-2 file-» 51 - 1 - - (719100)

$\frac{x^{0,5}}{x^{0,5} - 5} - \frac{5}{x^{0,5} + 5} + \frac{x}{25 - x}$ ni soddallashtiring.

- A) $\frac{x}{x - 25}$ B) $\frac{x}{25 - x}$ C) $\frac{25}{x - 25}$
 D) $\frac{25}{25 - x}$

617. 2.1-2 file-» 51 - 1 - - (719101)

$\frac{a^{\frac{3}{2}} - b^{\frac{3}{2}}}{a^{\frac{3}{2}}b^{\frac{1}{2}} + ab + a^{\frac{1}{2}}b^{\frac{3}{2}}}$ ni soddallashtiring.

- A) $\frac{\sqrt{a} - \sqrt{b}}{\sqrt{ab}}$ B) $\frac{\sqrt{a} + \sqrt{b}}{\sqrt{ab}}$ C) $-\frac{\sqrt{a} - \sqrt{b}}{\sqrt{ab}}$
 D) $-\frac{\sqrt{a} + \sqrt{b}}{\sqrt{ab}}$

618. 2.1-2 file-» 51 - 1 - - (719102)

$\frac{25 - x}{25 - 5x} + \frac{3x + 5}{x^2 - 5x}$ ifodani soddallashtiring.

- A) 5 B) 1 C) $\frac{x + 5}{x}$ D) $\frac{x - 5}{5x}$

619. 2.1-2 file-» 51 - 1 - - (719103)

$\sqrt{\frac{a^0 \cdot a^{-3,5} \cdot b^2}{a^{0,5} \cdot b^{-1}}}$ ifodani $a = 10$ va $b = 4$ dagi qiymatini hisoblang.

- A) $\frac{2}{25}$ B) $\frac{1}{50}$ C) $20\sqrt{10}$ D) $40\sqrt{20}$

620. 2.1-2 file-» 51 - 1 - - (719104)

$\left(\frac{a^2 - b^2}{a^{\frac{3}{2}} + ab^{\frac{1}{2}}} - \frac{a - b}{a^{\frac{1}{2}} + b^{\frac{1}{2}}}\right) : \left(\frac{a}{b}\right)^{-1}$ ni soddallashtiring.

- A) $\frac{\sqrt{a} - \sqrt{b}}{\sqrt{a - b}}$ B) $\sqrt{a} + \sqrt{b}$ C) \sqrt{ab}
 D) $\sqrt{a - b}$

621. 2.1-2 file-» 51 - 1 - - (719105)

$5\sqrt{27} - \sqrt[5]{32} - \sqrt[3]{108} - 3\sqrt{75}$ ning qiymatini hisoblang.

- A) $\sqrt{3} - 2 - 3\sqrt[3]{4}$ B) $-2 - 3\sqrt[3]{4}$
 C) $2 - 3\sqrt[3]{4}$ D) $-\sqrt{3} - 3\sqrt[3]{4}$

622. 2.1-2 file-» 51 - 1 - - (719106)

$\frac{a^2 - 16ab + 64b^2}{a^2 - 14ab + 48b^2}$ kasrni qisqartiring.

- A) $\frac{a - 8b}{a - 6b}$ B) $\frac{a + 8b}{a - 6b}$ C) $\frac{a - 8b}{a + 6b}$
 D) $\frac{a - 6b}{a + 8b}$

623. 2.1-2 file-» 51 - 1 - - (719107)

$\left(\frac{x + 3}{x - 3} - \frac{x}{x + 3}\right) : \frac{x + 1}{x + 3}$ ni soddallashtiring.

- A) $\frac{9}{x + 3}$ B) $\frac{9}{3 - x}$ C) $\frac{9}{x - 3}$
 D) $-\frac{9}{x + 3}$

624. 2.1-2 file-» 51 - 2 - - (719108)

$1 - \frac{1}{1 + \frac{1}{1 - \frac{1}{a}}}$ ni soddallashtiring.

- A) $\frac{3a}{2a - 1}$ B) $\frac{a}{2a - 1}$ C) $\frac{3a - 2}{2a - 1}$
 D) $\frac{1}{2a - 1}$

625. 2.1-2 file-» 51 - 2 - - (719109)

Agar $4^x + 4^{-x} = 23$ bo'lsa, $2^x + 2^{-x}$ ni aniqlang.

- A) 5 B) $\sqrt{21}$ C) $2\sqrt{5}$ D) 3

626. 2.1-2 file-» 51 - 2 - - (719110)

$\frac{71^2 + 94 \cdot 42 - 23^2}{62^2 - 32^2}$ ni hisoblang.

- A) 3 B) 1 C) 2 D) 4

627. 2.1-2 file-» 51 - 2 - - (719111)

$\left(\frac{1}{1 - a} - a\right) : \frac{a^2 - a + 1}{a^2 - 2a + 1}$ ni soddallashtiring.

- A) $1 - a$ B) $1 + a$ C) 1 D) 2

628. 2.1-2 file-» 51 - 2 - - (719112)

$\frac{a^6 + 3a^4b^2 + 3a^2b^4 + b^6}{a^2 + b^2}$ ni soddallashtiring.

- A) $a^3 + b^3$ B) $a^4 + b^4$ C) $(a^2 + b^2)^2$
 D) $(a + b)^3$

629. 2.1-2 file-» 51 - 2 - - (719113)

$\left(\frac{9m^{-3}}{5n^{-1}}\right)^{-2} \cdot 81m^{-6}n^3$ ni soddallashtiring.

- A) $\left(\frac{81}{5}\right)^2 n$ B) $25n$ C) $25m^{-12}n^5$
 D) $\left(\frac{81}{5}\right)^2 m^{-12}n^5$

630. 2.1-2 file-» 51 - 2 - - (719114)

$\frac{a^3 - 6a^2 + 7a}{a^3(a - 3)^2 - 2a^3}$ ning $a = -\frac{1}{2}$ bo'lgandagi qiymatini toping.

- A) 2 B) 3 C) 4 D) 5

631. 2.1-2 file-» 51 - 2 - - (719115)

$$\frac{\frac{x}{x-\sqrt{2}} - \frac{\sqrt{2}}{x+\sqrt{2}}}{\frac{x^2+2}{x^2+x\sqrt{2}}}$$
 ni soddalashtiring.
 A) $\frac{x}{x-\sqrt{2}}$ B) $\frac{1}{x-\sqrt{2}}$ C) $\frac{x}{x^2+\sqrt{2}}$
 D) $\frac{x}{x+\sqrt{2}}$
632. 2.1-3 file-» 23 - 5 - - (57092)
 $\frac{1}{2+\sqrt{3}} + \frac{2}{\sqrt{3}-1} - 1$ ни ҳисобланг.
 A) 2 B) 3 C) 4 D) $\sqrt{3}$
633. 2.1-3 file-» 16 - 3 - - 5 (69017)
 Агар $\sqrt{t^5+3} - \sqrt{t^5-2} = 2$ бўлса,
 $\sqrt{t^5+3} + \sqrt{t^5-2}$ нинг қиймати нечага тенг бўлади?
 A) 2 B) 3,5 C) 1 D) 2,5
634. 2.1-3 file-» 22 - 19 - - 4 (69928)
 Агар $\frac{4b+a}{5a-7b} = \frac{7}{8}$ бўлса, $\frac{3a^2-4ab+b^2}{5a^2+3b^2}$ нинг қиймати нимага тенг бўлади?
 A) $\frac{1}{3}$ B) $\frac{22}{47}$ C) 0,5 D) $\frac{9}{22}$
635. 2.1-3 file-» 16 - 4 - - 11 (72704)
 Агар $\sqrt{13+z^3} - \sqrt{z^3-14} = 3,375$ бўлса,
 $\sqrt{13+z^3} + \sqrt{z^3-14}$ нинг қиймати нечага тенг бўлади?
 A) 5 B) 6 C) 7 D) 8
636. 2.1-3 file-» 30 - 1 - - 12 (73437)
 $\frac{x^3+1}{x^4+x^2+1}$ касрни қисқартиринг.
 A) $\frac{x-1}{x^2-x+1}$ B) $\frac{x}{x+2}$ C) $\frac{x+1}{x^2+x+1}$
 D) $\frac{x-2}{x^2-x-1}$
637. 2.1-3 file-» 22 - 20 - - 6 (96063)
 $4y(5x-y) - (5x-2)(5x+2) + 2$ нинг энг катта қийматини топинг.
 A) 6 B) 5 C) 4 D) 2
638. 2.1-3 file-» 16 - 5 - - 10 (96261)
 $(x+6)(x+4)(x+2)x$ қўпайтманинг энг кичик қийматини топинг.
 A) -25 B) 9 C) -9 D) -16
639. 2.1-3 file-» 19 - 4 - - 3 (105469)
 n нинг нечта бутун қийматида $\frac{n^2-5n-2}{n+1}$ каср бутун сон бўлади?
 A) 6 B) 2 C) 3 D) 4
640. 2.1-3 file-» 19 - 4 - - 3 (105476)
 Агар $(\sqrt{3}+2)a = 1$ ва $(\sqrt{3}-2)b = -1$ бўлса,
 $(a+1)^{-1} - (b+1)^{-1}$ нинг қийматини ҳисобланг.
 A) $\frac{1}{\sqrt{3}}$ B) 0,5 C) $\frac{2}{\sqrt{3}}$ D) $\sqrt{3}$
641. 2.1-3 file-» 2 - 6 - - 11 (108248)
 Агар $a(x-1)^2 + b(x-1) + c = 2x^2 - 5x + 8$ айният бўлса, $a+b+c$ йиғинди нечага тенг бўлади?
 A) 7 B) 8 C) 6 D) 4
642. 2.1-3 file-» 2 - 6 - - (108265)
 Агар $\frac{5x+1}{x^2-x-12} = \frac{a}{x+3} + \frac{b}{x-4}$ айният бўлса, $b-a$ ни топинг.
 A) 6 B) -1 C) -6 D) 1
643. 2.1-3 file-» 23 - 19 - - 2 (109066)
 $\left(\frac{a^{\frac{1}{2}}+1}{a^{\frac{1}{2}}-1} + \frac{a^{\frac{1}{2}}-1}{a^{\frac{1}{2}}+1} - \frac{4}{a-1}\right)^{-3} - \frac{1}{4}$ ни соддалаштиринг.
 A) $\frac{3}{8}$ B) $-\frac{5}{8}$ C) $\frac{1}{8}$ D) $-\frac{1}{8}$
644. 2.1-3 file-» 35 - 1 - - 1 (121817)
 Агар $x = (\sqrt{8}-5)/2$ бўлса,
 $(x+1)(x+2)(x+3)(x+4)$ нинг қийматини ҳисобланг.
 A) $\frac{7}{16}$ B) $-\frac{7}{16}$ C) 1 D) -1
645. 2.1-3 file-» 16 - 8 - - 3 (131394)

$$\begin{cases} x^3 - y^3 = 152, \\ x - y = 2. \end{cases}$$

 $x \cdot y - ?$
 A) 12 B) 4 C) 24 D) 6
646. 2.1-3 file-» 2 - 42 - - 4 (131674)
 Агар $a = 39 - \sqrt{432}$ бўлса, $\sqrt{a} + \sqrt{3}$ ифоданинг қийматини аниқланг.
 A) 4 B) 6 C) 5 D) $6 + \sqrt{3}$
647. 2.1-3 file-» 19 - 7 - - 12 (136837)

$$\left(\frac{\sqrt{y}-\sqrt{x}}{y-\sqrt{xy}+x} + \frac{x}{x\sqrt{x}+y\sqrt{y}}\right) \cdot \frac{x\sqrt{x}+y\sqrt{y}}{y}$$
 ни соддалаштиринг.
 A) $\sqrt{x} + \sqrt{y}$ B) $\sqrt{x} - \sqrt{y}$ C) 1 D) \sqrt{y}
648. 2.1-3 file-» 37 - 1 - - 3 (140397)
 Агар $\frac{4x^2-4xy+3y^2}{2y^2+2xy-5x^2} = 1$ бўлса, $\frac{2x-y}{2x+y}$ нинг қиймати нимага тенг?
 A) $-\frac{1}{5}$ B) -2 C) $\frac{1}{2}$ D) $-\frac{1}{2}$

649. 2.1-3 file-» 37 - 2 - - 4 (140430)
 Агар $\frac{4x^2 - 4xy + 3y^2}{2y^2 + 2xy - 5x^2} = 1$ бўлса, $\frac{4x - y}{4x + y}$ нинг қиймати нимага тенг?
 А) $\frac{1}{7}$ В) -2 С) $\frac{1}{2}$ D) $-\frac{1}{2}$
650. 2.1-3 file-» 31 - 2 - - 5 (146236)
 Ифодани соддалаштиринг:
 $\left(\frac{20}{\sqrt{6} + 1} + \frac{4}{\sqrt{6} - 2} - \frac{12}{3 - \sqrt{6}} \right) \cdot (2\sqrt{6} + 12)$.
 А) -115 В) 127 C) -120 D) -116
651. 2.1-3 file-» 31 - 2 - - 5 (146258)
 Агар $a + a^{-1} = 6$ бўлса, $a^3 + a^{-3}$ ни ҳисобланг.
 А) 216 B) 198 C) 234 D) 210
652. 2.1-3 file-» 22 - 25 - - 8 (151084)
 $\sqrt{17 - 12\sqrt{2}} \cdot (9 + 6\sqrt{2})$ нинг қийматини ҳисобланг.
 А) $2\sqrt{2}$ B) 3 C) $\sqrt{3 + \sqrt{8}}$ D) 2
653. 2.2-1 file-» 5 - 4 - - (13904)
 Қуйидаги нуқталарнинг қайси бири $f(x) = -2x + 9$ функциянинг графигига тегишли?
 А) $(-1; 1)$ B) $(2; 5)$ C) $(-5; 2)$ D) $(1; -1)$
654. 2.2-1 file-» 5 - 5 - - (13960)
 Қуйидаги нуқталарнинг қайси бири $f(x) = -2x + 7$ функциянинг графигига тегишли?
 А) $(1; 2)$ B) $(2; 1)$ C) $(3; 1)$ D) $(2; 4)$
655. 2.2-1 file-» 22 - 2 - - (14224)
 Агар $f(x) = (3 + \frac{1}{x})(11 + 4x)$ бўлса, $f(-\frac{1}{2})$ ни топинг.
 А) 9 B) -3 C) 15 D) -5
656. 2.2-1 file-» 22 - 3 - - (14283)
 Агар $f(x) = (2x + 3)(\frac{3}{x} - 3)$ бўлса, $f(-1)$ ни топинг.
 А) 0 B) 6 C) -6 D) -3
657. 2.2-1 file-» 22 - 4 - - (14342)
 Агар $f(x) = (2x - \frac{1}{3})(4x + \frac{1}{4})$ бўлса, $f(\frac{1}{2})$ ни топинг.
 А) $-4,5$ B) $\frac{7}{12}$ C) $4,5$ D) $1,5$
658. 2.2-1 file-» 22 - 11 - - (36183)
 k нинг қандай қийматларида $y = \frac{k}{x} - 1$ функциянинг графиги $C(-2; -3)$ нуқтадан ўтади?
 А) 1 B) 4 C) -1 D) $\frac{1}{2}$
659. 2.2-1 file-» 22 - 12 - - (36243)
 k нинг қандай қийматида $y = kx^3 + 2$ функциянинг графиги $B(-2; -14)$ нуқтадан ўтади?
 А) 2 B) 1 C) $-0,5$ D) -1
660. 2.2-1 file-» 22 - 1 - - (36744)
 k нинг қандай қийматида $y = kx^2 - 2$ функциянинг графиги $A(-1; 0)$ нуқтадан ўтади?
 А) 4 B) -3 C) 3 D) 2
661. 2.2-1 file-» 15 - 2 - - (56765)
 Қуйидагилардан қайсилари ўсувчи функциялар?
 1) $y = 3^{-x}$; 2) $y = (\sqrt[3]{10})^x$; 3) $y = (\frac{11}{9})^x$;
 4) $y = (\frac{5}{3})^x$; 5) $y = (0,84)^x$.
 А) $1; 2; 4$ B) $1; 2; 3$ C) $3; 4; 5$
 D) $2; 3; 4$
662. 2.2-1 file-» 23 - 22 - - 1 (140324)
 Тоқ функцияни кўрсатинг.
 А) $f(x) = \cos^2 x - \cos x$
 B) $f(x) = \cos x + \sin x$
 C) $f(x) = (1 - \cos 2x) \cdot \operatorname{ctg} x - 2x$
 D) $f(x) = e^x + \operatorname{ctg} x$
663. 2.2-1 file-» 5 - 4 - - (315159)
 Quyidagi nuqtalarning qaysi biri $f(x) = -2x + 9$ funksiyaning grafigiga tegishli?
 А) $(-1; 1)$ B) $(2; 5)$ C) $(-5; 2)$
 D) $(1; -1)$
664. 2.2-1 file-» 5 - 5 - - (315160)
 Quyidagi nuqtalarning qaysi biri $f(x) = -2x + 7$ funksiyaning grafigiga tegishli?
 А) $(1; 2)$ B) $(2; 1)$ C) $(3; 1)$ D) $(2; 4)$
665. 2.2-1 file-» 22 - 2 - - (315161)
 Агар $f(x) = (3 + \frac{1}{x})(11 + 4x)$ bo'lsa, $f(-\frac{1}{2})$ ni toping.
 А) 9 B) -3 C) 15 D) -5
666. 2.2-1 file-» 22 - 3 - - (315162)
 Агар $f(x) = (2x + 3)(\frac{3}{x} - 3)$ bo'lsa, $f(-1)$ ni toping.
 А) 0 B) 6 C) -6 D) -3

667. 2.2-1 file-» 22 - 4 - - (315163)
 Agar $f(x) = (2x - \frac{1}{3})(4x + \frac{1}{4})$ bo'lsa, $f(\frac{1}{2})$ ni toping.
 A) $-4,5$ B) $\frac{7}{12}$ C) $4,5$ **D) $1,5$**
668. 2.2-1 file-» 22 - 11 - - (315164)
 k ning qanday qiymatlarida $y = \frac{k}{x} - 1$ funksiyaning grafigi $C(-2; -3)$ nuqtadan o'tadi?
 A) 1 **B) 4** C) -1 D) $\frac{1}{2}$
669. 2.2-1 file-» 22 - 12 - - (315165)
 k ning qanday qiymatida $y = kx^3 + 2$ funksiyaning grafigi $B(-2; -14)$ nuqtadan o'tadi?
A) 2 B) 1 C) $-0,5$ D) -1
670. 2.2-1 file-» 22 - 1 - - (315166)
 k ning qanday qiymatida $y = kx^2 - 2$ funksiyaning grafigi $A(-1; 0)$ nuqtadan o'tadi?
 A) 4 B) -3 C) 3 **D) 2**
671. 2.2-1 file-» 15 - 2 - - (315167)
 Quyidagilardan qaysilari o'suvchi funksiyalar?
 1) $y = 3^{-x}$; 2) $y = (\sqrt[3]{10})^x$; 3) $y = (\frac{11}{9})^x$;
 4) $y = (\frac{5}{3})^x$; 5) $y = (0,84)^x$.
D) $2; 3; 4$
672. 2.2-1 file-» 23 - 22 - - 1 (315168)
 Toq funksiyani ko'rsating.
 A) $f(x) = \cos^2 x - \cos x$
 B) $f(x) = \cos x + \sin x$
C) $f(x) = (1 - \cos 2x) \cdot \operatorname{ctgx} - 2x$
 D) $f(x) = e^x + \operatorname{ctg} x$
673. 2.2-1 file-» 50 - 109 - - (401681)
 $x^2 - 18x + 85$ parabola uchining koordinatalari yig'indisini toping.
A) 13 B) -13 C) 36 D) -36
674. 2.2-1 file-» 50 - 109 - - (401682)
 $x^2 + 16x + 51$ parabola uchining koordinatalari yig'indisini toping.
A) -21 B) 21 C) 104 D) -104
675. 2.2-1 file-» 50 - 109 - - (401683)
 $x^2 - 14x + 54$ parabola uchining koordinatalari yig'indisini toping.
A) 12 B) -12 C) 35 D) -35
676. 2.2-1 file-» 50 - 109 - - (401684)
 $x^2 + 12x + 23$ parabola uchining koordinatalari yig'indisini toping.
A) -19 B) 19 C) 78 D) -78
677. 2.2-1 file-» 50 - 109 - - (401685)
 $x^2 - 10x + 32$ parabola uchining koordinatalari yig'indisini toping.
A) 12 B) -12 C) 35 D) -35
678. 2.2-1 file-» 50 - 109 - - (401686)
 $x^2 + 18x - 40$ parabola uchining koordinatalari yig'indisini toping.
A) -130 B) 130 C) 1089 D) -1089
679. 2.2-1 file-» 50 - 109 - - (401687)
 $x^2 - 16x - 32$ parabola uchining koordinatalari yig'indisini toping.
A) -88 B) 88 C) -768 D) 768
680. 2.2-1 file-» 50 - 109 - - (401688)
 $x^2 + 14x - 54$ parabola uchining koordinatalari yig'indisini toping.
A) -110 B) 110 C) 721 D) -721
681. 2.2-1 file-» 50 - 109 - - (401689)
 $x^2 - 12x - 13$ parabola uchining koordinatalari yig'indisini toping.
A) -43 B) 43 C) -294 D) 294
682. 2.2-1 file-» 50 - 109 - - (401690)
 $x^2 - 10x - 31$ parabola uchining koordinatalari yig'indisini toping.
A) -51 B) 51 C) -280 D) 280
683. 2.2-1 file-» 50 - 109 - - (401691)
 $x^2 - 18x + 77$ parabola uchining koordinatalari ko'paytmasini toping.
A) -36 B) 36 C) 5 D) -5
684. 2.2-1 file-» 50 - 109 - - (401692)
 $x^2 + 16x + 41$ parabola uchining koordinatalari ko'paytmasini toping.
A) 184 B) -184 C) -31 D) 31
685. 2.2-1 file-» 50 - 109 - - (401693)
 $x^2 - 14x + 34$ parabola uchining koordinatalari ko'paytmasini toping.
A) -105 B) 105 C) -8 D) 8
686. 2.2-1 file-» 50 - 109 - - (401694)
 $x^2 + 12x + 13$ parabola uchining koordinatalari ko'paytmasini toping.
A) 138 B) -138 C) -29 D) 29
687. 2.2-1 file-» 50 - 109 - - (401695)
 $x^2 - 10x + 22$ parabola uchining koordinatalari ko'paytmasini toping.
A) -15 B) 15 C) 2 D) -2

688. 2.2-1 file-» 50 - 109 - - (401696)
 $x^2 + 18x - 31$ parabola uchining koordinatalari ko'paytmasini toping.
A) 1008 B) -1008 C) -121 D) 121
689. 2.2-1 file-» 50 - 109 - - (401697)
 $x^2 - 16x - 22$ parabola uchining koordinatalari ko'paytmasini toping.
A) -688 B) 688 C) -78 D) 78
690. 2.2-1 file-» 50 - 109 - - (401698)
 $x^2 + 14x - 64$ parabola uchining koordinatalari ko'paytmasini toping.
A) 791 B) -791 C) -120 D) 120
691. 2.2-1 file-» 50 - 109 - - (401699)
 $x^2 - 12x - 23$ parabola uchining koordinatalari ko'paytmasini toping.
A) -354 B) 354 C) -53 D) 53
692. 2.2-1 file-» 50 - 109 - - (401700)
 $x^2 + 10x - 21$ parabola uchining koordinatalari ko'paytmasini toping.
A) 230 B) -230 C) -51 D) 51
693. 2.2-1 file-» 50 - 109 - - (401701)
 b va c ning qanday qiymatlarida $M(9; -4)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = -18; c = 77$ B) $b = 77; c = -18$
C) $b = 18; c = 77$ D) $b = 77; c = 18$
694. 2.2-1 file-» 50 - 109 - - (401702)
 b va c ning qanday qiymatlarida $M(-8; -23)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = 16; c = 41$ B) $b = 41; c = 16$
C) $b = -16; c = 41$ D) $b = 41; c = -16$
695. 2.2-1 file-» 50 - 109 - - (401703)
 b va c ning qanday qiymatlarida $M(7; -15)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = -14; c = 34$ B) $b = 34; c = -14$
C) $b = 14; c = 34$ D) $b = 34; c = 14$
696. 2.2-1 file-» 50 - 109 - - (401704)
 b va c ning qanday qiymatlarida $M(-6; -23)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = 12; c = 13$ B) $b = 13; c = 12$
C) $b = -12; c = 13$ D) $b = 13; c = -12$
697. 2.2-1 file-» 50 - 109 - - (401705)
 b va c ning qanday qiymatlarida $M(5; -3)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = -10; c = 22$ B) $b = 22; c = -10$
C) $b = 10; c = 22$ D) $b = 22; c = 10$
698. 2.2-1 file-» 50 - 109 - - (401706)
 b va c ning qanday qiymatlarida $M(-9; -111)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = 18; c = -30$ B) $b = -30; c = 18$
C) $b = -18; c = -30$ D) $b = -30; c = -18$
699. 2.2-1 file-» 50 - 109 - - (401707)
 b va c ning qanday qiymatlarida $M(8; -86)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = -16; c = -22$ B) $b = -22; c = -16$
C) $b = 16; c = -22$ D) $b = -22; c = 16$
700. 2.2-1 file-» 50 - 109 - - (401708)
 b va c ning qanday qiymatlarida $M(-7; -123)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = 14; c = -74$ B) $b = -74; c = 14$
C) $b = -14; c = -74$ D) $b = -74; c = -14$
701. 2.2-1 file-» 50 - 109 - - (401709)
 b va c ning qanday qiymatlarida $M(6; -59)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = -12; c = -23$ B) $b = -23; c = -12$
C) $b = 12; c = -23$ D) $b = -23; c = 12$
702. 2.2-1 file-» 50 - 109 - - (401710)
 b va c ning qanday qiymatlarida $M(-5; -46)$ nuqta $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) $b = 10; c = -21$ B) $b = -21; c = 10$
C) $b = -10; c = -21$ D) $b = -21; c = -10$
703. 2.2-1 file-» 50 - 144 - - (704100)
 $y = \frac{5(x-2)}{2-x^{0,2}}$ funksiyaning aniqlanish sohasini toping.
A) $(0; 2) \cup (2; \infty)$ B) $(-\infty; 2) \cup (2; \infty)$
C) $(-\infty; 32) \cup (32; \infty)$
D) $(0; 32) \cup (32; \infty)$
704. 2.2-1 file-» 50 - 144 - - (704101)
 $y = \frac{10(x-3)}{3-x^{0,2}}$ funksiyaning aniqlanish sohasini toping.
A) $(0; 243) \cup (243; \infty)$ B) $(0; 3) \cup (3; \infty)$
C) $(-\infty; 3) \cup (3; \infty)$
D) $(-\infty; 243) \cup (243; \infty)$
705. 2.2-1 file-» 50 - 144 - - (704102)
 $y = \frac{17(x-4)}{4-x^{0,25}}$ funksiyaning aniqlanish sohasini toping.
A) $(-\infty; 256) \cup (256; \infty)$
B) $[0; 256) \cup (256; \infty)$ C) $[0; 4) \cup (4; \infty)$
D) $(-\infty; 4) \cup (4; \infty)$
706. 2.2-1 file-» 50 - 144 - - (704103)
 $y = \frac{26(x-5)}{5-x^{0,25}}$ funksiyaning aniqlanish sohasini toping.
A) $(-\infty; 5) \cup (5; \infty)$
B) $(-\infty; 625) \cup (625; \infty)$
C) $[0; 625) \cup (625; \infty)$ D) $[0; 5) \cup (5; \infty)$

707. 2.2-1 file-» 50 - 144 - - (704104)
 $y = \frac{65(x-8)}{8-x^{0,5}}$ funksiyaning aniqlanish sohasini toping.
 A) $[0; 8) \cup (8; \infty)$ B) $(-\infty; 8) \cup (8; \infty)$
 C) $(-\infty; 64) \cup (64; \infty)$
D) $[0; 64) \cup (64; \infty)$
708. 2.2-1 file-» 50 - 144 - - (704105)
 $y = \frac{5(x-2)}{2-x^{\frac{1}{5}}}$ funksiyaning aniqlanish sohasini toping.
 A) $[0; 64) \cup (64; \infty)$ B) $[0; 2) \cup (2; \infty)$
 C) $(-\infty; 2) \cup (2; \infty)$
 D) $(-\infty; 64) \cup (64; \infty)$
709. 2.2-1 file-» 50 - 144 - - (704106)
 $y = \frac{10(x-3)}{3-x^{0,25}}$ funksiyaning aniqlanish sohasini toping.
 A) $(-\infty; 81) \cup (81; \infty)$
B) $[0; 81) \cup (81; \infty)$ C) $[0; 3) \cup (3; \infty)$
 D) $(-\infty; 3) \cup (3; \infty)$
710. 2.2-1 file-» 50 - 144 - - (704107)
 $y = \frac{17(x-4)}{4-x^{\frac{1}{3}}}$ funksiyaning aniqlanish sohasini toping.
 A) $(-\infty; 4) \cup (4; \infty)$
B) $(-\infty; 64) \cup (64; \infty)$
 C) $(0; 64) \cup (64; \infty)$ D) $(0; 4) \cup (4; \infty)$
711. 2.2-1 file-» 50 - 144 - - (704108)
 $y = \frac{26(x-5)}{5-x^{\frac{1}{3}}}$ funksiyaning aniqlanish sohasini toping.
 A) $(0; 5) \cup (5; \infty)$ B) $(-\infty; 5) \cup (5; \infty)$
C) $(-\infty; 125) \cup (125; \infty)$
 D) $(0; 125) \cup (125; \infty)$
712. 2.2-1 file-» 50 - 144 - - (704109)
 $y = \frac{65(x-8)}{8-x^{\frac{1}{3}}}$ funksiyaning aniqlanish sohasini toping.
 A) $(0; 512) \cup (512; \infty)$ B) $(0; 8) \cup (8; \infty)$
 C) $(-\infty; 8) \cup (8; \infty)$
D) $(-\infty; 512) \cup (512; \infty)$
713. 2.2-1 file-» 50 - 144 - - (704110)
 $y = \log_2(x) - 15$ funksiyaning qiymatlar to'plamini toping.
 A) $(15; \infty)$ B) $(-\infty; 15)$ **C) $(-\infty; \infty)$**
 D) $(0; \infty)$
714. 2.2-1 file-» 50 - 144 - - (704111)
 $y = \log_3(x) - 16$ funksiyaning qiymatlar to'plamini toping.
 A) $(0; \infty)$ B) $(16; \infty)$ C) $(-\infty; 16)$
D) $(-\infty; \infty)$
715. 2.2-1 file-» 50 - 144 - - (704112)
 $y = \log_4(x) - 17$ funksiyaning qiymatlar to'plamini toping.
A) $(-\infty; \infty)$ B) $(0; \infty)$ C) $(17; \infty)$
 D) $(-\infty; 17)$
716. 2.2-1 file-» 50 - 144 - - (704113)
 $y = \log_5(x) - 18$ funksiyaning qiymatlar to'plamini toping.
 A) $(-\infty; 18)$ **B) $(-\infty; \infty)$** C) $(0; \infty)$
 D) $(18; \infty)$
717. 2.2-1 file-» 50 - 144 - - (704114)
 $y = \log_2(x) - 19$ funksiyaning qiymatlar to'plamini toping.
 A) $(19; \infty)$ B) $(-\infty; 19)$ **C) $(-\infty; \infty)$**
 D) $(0; \infty)$
718. 2.2-1 file-» 50 - 144 - - (704115)
 $y = \log_3(x) - 20$ funksiyaning qiymatlar to'plamini toping.
 A) $(0; \infty)$ B) $(20; \infty)$ C) $(-\infty; 20)$
D) $(-\infty; \infty)$
719. 2.2-1 file-» 50 - 144 - - (704116)
 $y = \log_4(x) - 21$ funksiyaning qiymatlar to'plamini toping.
A) $(-\infty; \infty)$ B) $(0; \infty)$ C) $(21; \infty)$
 D) $(-\infty; 21)$
720. 2.2-1 file-» 50 - 144 - - (704117)
 $y = \log_5(x) - 12$ funksiyaning qiymatlar to'plamini toping.
 A) $(-\infty; 12)$ **B) $(-\infty; \infty)$** C) $(0; \infty)$
 D) $(12; \infty)$
721. 2.2-1 file-» 50 - 144 - - (704118)
 $y = \log_2(x) - 13$ funksiyaning qiymatlar to'plamini toping.
 A) $(13; \infty)$ B) $(-\infty; 13)$ **C) $(-\infty; \infty)$**
 D) $(0; \infty)$
722. 2.2-1 file-» 50 - 144 - - (704119)
 $y = \log_3(x) - 13$ funksiyaning qiymatlar to'plamini toping.
 A) $(0; \infty)$ B) $(13; \infty)$ C) $(-\infty; 13)$
D) $(-\infty; \infty)$
723. 2.2-1 file-» 50 - 144 - - (704120)
 $y = \left(\frac{1}{4}\right)^x - 5$ funksiyaning qiymatlar to'plamini toping.
 A) $(0; \infty)$ B) $(-\infty; -5)$ **C) $(-5; \infty)$**
 D) $(-\infty; \infty)$

724. 2.2-1 file-» 50 - 144 - - (704121)
 $y = \left(\frac{1}{6}\right)^x - 6$ funksiyaning qiymatlar to'plamini toping.
 A) $(-\infty; \infty)$ B) $(0; \infty)$ C) $(-\infty; -6)$
D) $(-6; \infty)$
725. 2.2-1 file-» 50 - 144 - - (704122)
 $y = \left(\frac{1}{3}\right)^x - 7$ funksiyaning qiymatlar to'plamini toping.
 A) $(-7; \infty)$ B) $(-\infty; \infty)$ C) $(0; \infty)$
D) $(-\infty; -7)$
726. 2.2-1 file-» 50 - 144 - - (704123)
 $y = \left(\frac{1}{5}\right)^x - 8$ funksiyaning qiymatlar to'plamini toping.
 A) $(-\infty; -8)$ B) $(-8; \infty)$ C) $(-\infty; \infty)$
 D) $(0; \infty)$
727. 2.2-1 file-» 50 - 144 - - (704124)
 $y = \left(\frac{1}{2}\right)^x - 9$ funksiyaning qiymatlar to'plamini toping.
 A) $(0; \infty)$ B) $(-\infty; -9)$ C) $(-9; \infty)$
 D) $(-\infty; \infty)$
728. 2.2-1 file-» 50 - 144 - - (704125)
 $y = \left(\frac{1}{3}\right)^x - 10$ funksiyaning qiymatlar to'plamini toping.
 A) $(-\infty; \infty)$ B) $(0; \infty)$ C) $(-\infty; -10)$
D) $(-10; \infty)$
729. 2.2-1 file-» 50 - 144 - - (704126)
 $y = \left(\frac{1}{4}\right)^x - 11$ funksiyaning qiymatlar to'plamini toping.
 A) $(-11; \infty)$ B) $(-\infty; \infty)$ C) $(0; \infty)$
D) $(-\infty; -11)$
730. 2.2-1 file-» 50 - 144 - - (704127)
 $y = \left(\frac{1}{5}\right)^x - 12$ funksiyaning qiymatlar to'plamini toping.
 A) $(-\infty; -12)$ B) $(-12; \infty)$
 C) $(-\infty; \infty)$ D) $(0; \infty)$
731. 2.2-1 file-» 50 - 144 - - (704128)
 $y = \left(\frac{1}{2}\right)^x - 13$ funksiyaning qiymatlar to'plamini toping.
 A) $(0; \infty)$ B) $(-\infty; -13)$ C) $(-13; \infty)$
 D) $(-\infty; \infty)$

732. 2.2-1 file-» 50 - 144 - - (704129)
 $y = \left(\frac{1}{6}\right)^x - 16$ funksiyaning qiymatlar to'plamini toping.
 A) $(-\infty; \infty)$ B) $(0; \infty)$ C) $(-\infty; -16)$
D) $(-16; \infty)$
733. 2.2-1 file-» 51 - 1 - - (719116)
 Quyidagi nuqtalardan qaysi biri $f(x) = -3x + 10$ funksiyaning grafigiga tegishli?
 A) $(3; -5)$ B) $(-3; 5)$ C) $(5; -3)$
D) $(2; 4)$
734. 2.2-1 file-» 51 - 1 - - (719117)
 $f(x) = 5 - \log_3 x$ funksiyaning qiymatlari to'plamini toping.
 A) $(-\infty; \infty)$ B) $(0; \infty)$ C) $(5; \infty)$
D) $(-\infty; 5)$
735. 2.2-1 file-» 51 - 1 - - (719118)
 $f(x) = \frac{4}{2 - x^{\frac{1}{3}}}$ funksiyaning aniqlanish sohasini toping.
 A) $(-\infty; 8) \cup (8; \infty)$ B) $(0; 8) \cup (8; \infty)$
C) $(0; 2) \cup (2; \infty)$ D) $[0; \infty)$
736. 2.2-1 file-» 51 - 1 - - (719119)
 $M(-2; -100)$, $N(2; 100)$ va $K\left(\frac{1}{5}; -1\right)$ nuqtalardan qaysilari $y = -25x^2$ funksiyaning grafigiga tegishli?
 A) M, N B) N, K C) M, K
 D) M, N, K
737. 2.2-1 file-» 51 - 1 - - (719120)
 $y_1 = x^8 - 3x^4$, $y_2 = (x + 2)^2 - (x - 2)^2$,
 $y_3 = x^4 - x^2$ va $y_4 = x^9 + \frac{1}{x^5}$ funksiyalardan qaysilari toq?
 A) $y_1; y_4$ B) $y_2; y_3$ C) $y_1; y_3$
D) $y_2; y_4$
738. 2.2-1 file-» 51 - 1 - - (719121)
 $y_1 = \frac{1}{x^4 - x^2 - 1}$, $y_2 = x^3 - x$,
 $y_3 = (x + 1)^2 - (x - 1)^2$ va $y_4 = \frac{11}{x^4 - 3}$ funksiyalardan qaysilari juft?
 A) $y_1; y_4$ B) $y_2; y_4$ C) $y_1; y_3$
D) $y_2; y_3$
739. 2.2-1 file-» 51 - 2 - - (719122)
 $P(6; 4)$, $Q(7; 4)$, $R(6; -4)$ va $S(7; 3)$ nuqtalardan qaysilari $(x - 3)^2 + y^2 = 25$ aylananing grafigida yotadi?
 A) P, Q, R B) Q, R, S C) P, R, S
 D) P, Q, S

740. 2.2-1 file-» 51 - 2 - - (719123)
 $2x + 4y = 5$ funksiyaning grafigi koordinata tekisligining qaysi choragida yotadi?
 A) I; II B) II; III; IV C) IV; I; II
 D) IV; II

741. 2.2-1 file-» 51 - 2 - - (719124)
 $y = \frac{1}{2}(x + 2)$ funksiyaga teskari funksiyani toping.
 A) $y = 2(x - 1)$ B) $y = \frac{2}{x + 2}$
 C) $y = -\frac{1}{2}(x + 2)$ D) $y = \frac{2}{x} + 1$

742. 2.2-1 file-» 58 - 1 - - (719125)
 Quyida keltirilgan funksiyalardan qaysilari juft funksiyalar?
 1) $y = \frac{\sin\left(x^3 + \frac{\pi x}{8}\right)}{\sqrt{1 + |x|}}$;
 2) $y = x^2\sqrt{9 - x}$;
 3) $y = x^4 - |x|$;
 4) $y = 2^{|x|} \cos \sqrt[3]{x^3 - x}$;
 5) $y = \frac{|x + 3| + |x - 3|}{x^4}$
 A) 2, 4, 5 B) 3, 4, 5 C) 1, 2, 5
 D) 1, 4, 5

743. 2.2-1 file-» - 152 - - (719126)
 $y = \frac{4}{2 - x^{0,2}}$ funksiyaning aniqlanish sohasini toping.
 A) $(0; 2) \cup (2; \infty)$ B) $(-\infty; 2) \cup (2; \infty)$
C) $(-\infty; 32) \cup (32; \infty)$
 D) $(0; 32) \cup (32; \infty)$

744. 2.2-1 file-» - 152 - - (719127)
 $y = \frac{9}{3 - x^{0,2}}$ funksiyaning aniqlanish sohasini toping.
 A) $(0; 243) \cup (243; \infty)$ B) $(0; 3) \cup (3; \infty)$
 C) $(-\infty; 3) \cup (3; \infty)$
D) $(-\infty; 243) \cup (243; \infty)$

745. 2.2-1 file-» - 152 - - (719133)
 $y = \frac{16}{4 - x^{\frac{1}{3}}}$ funksiyaning aniqlanish sohasini toping.
 A) $(-\infty; 4) \cup (4; \infty)$
B) $(-\infty; 64) \cup (64; \infty)$
 C) $(0; 64) \cup (64; \infty)$ D) $(0; 4) \cup (4; \infty)$

746. 2.2-1 file-» - 152 - - (719134)
 $y = \frac{25}{5 - x^{\frac{1}{3}}}$ funksiyaning aniqlanish sohasini toping.
 A) $(0; 5) \cup (5; \infty)$ B) $(-\infty; 5) \cup (5; \infty)$
C) $(-\infty; 125) \cup (125; \infty)$
 D) $(0; 125) \cup (125; \infty)$

747. 2.2-1 file-» - 152 - - (719135)
 $y = \frac{64}{8 - x^{\frac{1}{3}}}$ funksiyaning aniqlanish sohasini toping.
 A) $(0; 512) \cup (512; \infty)$ B) $(0; 8) \cup (8; \infty)$
 C) $(-\infty; 8) \cup (8; \infty)$
D) $(-\infty; 512) \cup (512; \infty)$

748. 2.2-1 file-» - 152 - - (719136)
 $y = 12 - \log_2(x)$ funksiyaning qiymatlar to'plamini toping.
 A) $(12; \infty)$ B) $(-\infty; 12)$ C) $(-\infty; \infty)$
 D) $(0; \infty)$

749. 2.2-1 file-» - 152 - - (719137)
 $y = 13 - \log_3(x)$ funksiyaning qiymatlar to'plamini toping.
 A) $(0; \infty)$ B) $(13; \infty)$ C) $(-\infty; 13)$
D) $(-\infty; \infty)$

750. 2.2-1 file-» - 152 - - (719138)
 $y = 14 - \log_4(x)$ funksiyaning qiymatlar to'plamini toping.
A) $(-\infty; \infty)$ B) $(0; \infty)$ C) $(14; \infty)$
 D) $(-\infty; 14)$

751. 2.2-1 file-» - 152 - - (719139)
 $y = 15 - \log_5(x)$ funksiyaning qiymatlar to'plamini toping.
 A) $(-\infty; 15)$ B) $(-\infty; \infty)$ C) $(0; \infty)$
 D) $(15; \infty)$

752. 2.2-1 file-» - 152 - - (719140)
 $y = 16 - \log_2(x)$ funksiyaning qiymatlar to'plamini toping.
 A) $(16; \infty)$ B) $(-\infty; 16)$ C) $(-\infty; \infty)$
 D) $(0; \infty)$

753. 2.2-1 file-» - 152 - - (719141)
 $y = 17 - \log_3(x)$ funksiyaning qiymatlar to'plamini toping.
 A) $(0; \infty)$ B) $(17; \infty)$ C) $(-\infty; 17)$
D) $(-\infty; \infty)$

754. 2.2-1 file-» - 152 - - (719142)
 $y = 18 - \log_4(x)$ funksiyaning qiymatlar to'plamini toping.
A) $(-\infty; \infty)$ B) $(0; \infty)$ C) $(18; \infty)$
 D) $(-\infty; 18)$

755. 2.2-1 file-» - 152 - - (719143)
 $y = 19 - \log_5(x)$ funksiyaning qiymatlar to'plamini toping.
 A) $(-\infty; 19)$ **B) $(-\infty; \infty)$** C) $(0; \infty)$
 D) $(19; \infty)$
756. 2.2-1 file-» - 152 - - (719144)
 $y = 20 - \log_2(x)$ funksiyaning qiymatlar to'plamini toping.
 A) $(20; \infty)$ B) $(-\infty; 20)$ **C) $(-\infty; \infty)$**
 D) $(0; \infty)$
757. 2.2-1 file-» - 152 - - (719145)
 $y = 21 - \log_3(x)$ funksiyaning qiymatlar to'plamini toping.
 A) $(0; \infty)$ B) $(21; \infty)$ C) $(-\infty; 21)$
D) $(-\infty; \infty)$
758. 2.2-1 file-» - 152 - - (719146)
 $y = 2 + \left(\frac{1}{4}\right)^x$ funksiyaning qiymatlar to'plamini toping.
 A) $(0; \infty)$ B) $(-\infty; 2)$ **C) $(2; \infty)$**
 D) $(-\infty; \infty)$
759. 2.2-1 file-» - 152 - - (719147)
 $y = 3 + \left(\frac{1}{6}\right)^x$ funksiyaning qiymatlar to'plamini toping.
 A) $(-\infty; \infty)$ B) $(0; \infty)$ C) $(-\infty; 3)$
D) $(3; \infty)$
760. 2.2-1 file-» - 152 - - (719148)
 $y = 4 + \left(\frac{1}{3}\right)^x$ funksiyaning qiymatlar to'plamini toping.
A) $(4; \infty)$ B) $(-\infty; \infty)$ C) $(0; \infty)$
 D) $(-\infty; 4)$
761. 2.2-1 file-» - 152 - - (719149)
 $y = 5 + \left(\frac{1}{5}\right)^x$ funksiyaning qiymatlar to'plamini toping.
 A) $(-\infty; 5)$ **B) $(5; \infty)$** C) $(-\infty; \infty)$
 D) $(0; \infty)$
762. 2.2-1 file-» - 152 - - (719150)
 $y = 6 + \left(\frac{1}{2}\right)^x$ funksiyaning qiymatlar to'plamini toping.
 A) $(0; \infty)$ B) $(-\infty; 6)$ **C) $(6; \infty)$**
 D) $(-\infty; \infty)$
763. 2.2-1 file-» - 152 - - (719151)
 $y = 7 + \left(\frac{1}{3}\right)^x$ funksiyaning qiymatlar to'plamini toping.
 A) $(-\infty; \infty)$ B) $(0; \infty)$ C) $(-\infty; 7)$
D) $(7; \infty)$

764. 2.2-1 file-» - 152 - - (719152)
 $y = 8 + \left(\frac{1}{4}\right)^x$ funksiyaning qiymatlar to'plamini toping.
A) $(8; \infty)$ B) $(-\infty; \infty)$ C) $(0; \infty)$
 D) $(-\infty; 8)$
765. 2.2-1 file-» - 152 - - (719153)
 $y = 9 + \left(\frac{1}{5}\right)^x$ funksiyaning qiymatlar to'plamini toping.
 A) $(-\infty; 9)$ **B) $(9; \infty)$** C) $(-\infty; \infty)$
 D) $(0; \infty)$
766. 2.2-1 file-» - 152 - - (719154)
 $y = 10 + \left(\frac{1}{2}\right)^x$ funksiyaning qiymatlar to'plamini toping.
 A) $(0; \infty)$ B) $(-\infty; 10)$ **C) $(10; \infty)$**
 D) $(-\infty; \infty)$
767. 2.2-1 file-» - 152 - - (719155)
 $y = 13 + \left(\frac{1}{6}\right)^x$ funksiyaning qiymatlar to'plamini toping.
 A) $(-\infty; \infty)$ B) $(0; \infty)$ C) $(-\infty; 13)$
D) $(13; \infty)$
768. 2.2-2 file-» 6 - 4 - - (401711)
 $y = \sqrt{\frac{(x-5)(x-2)}{(4-x)(x-3)}}$ funksiyaning aniqlanish sohasini toping.
 A) $(2; 3) \cup (4; 5)$ **B) $[2; 3) \cup (4; 5]$**
 C) $(2; 3] \cup [4; 5)$ D) $(-\infty; 2] \cup (3; 4) \cup [5; \infty)$
769. 2.2-2 file-» 6 - 5 - - (401712)
 $y = \sqrt{\frac{(x-4)(2-x)}{(x+1)x}}$ funksiyaning aniqlanish sohasini toping.
A) $(-1; 0) \cup [2; 4]$ B) $[-1; 0] \cup (2; 4)$
 C) $(-1; 0] \cup [2; 4)$
 D) $(-\infty; -1) \cup (0; 2] \cup [4; \infty)$
770. 2.2-2 file-» 6 - 6 - - (401713)
 $y = \sqrt{\frac{(x-2)(4-x)}{x(x+3)}}$ funksiyaning aniqlanish sohasini toping.
 A) $[-3; 0] \cup (2; 4)$ **B) $(-3; 0) \cup [2; 4]$**
 C) $(-3; 0] \cup [2; 4)$
 D) $(-\infty; -3) \cup (0; 2) \cup (4; \infty)$
771. 2.2-2 file-» 22 - 11 - - (401714)
 Quyidagilardan qaysi biri juft funksiya?
 A) $y = \frac{(x-8)^2}{3}$ B) $y = 2x |x| + 5$
C) $y = \frac{x^4 + x^2 + 1}{2}$ D) $y = \frac{7x}{x^2 - 9}$

772. 2.2-2 file-» 22 - 14 - - (401715)
 Quyidagilardan qaysi biri $y = \frac{3}{x+1} - 2$ funksiyaga teskari funksiya?
 A) $y = \frac{3}{x+2} - 1$ B) $y = \frac{x+1}{3} - 2$
 C) $y = \frac{x+1}{3} - \frac{1}{2}$ D) $y = \frac{3}{x-2} + 1$
773. 2.2-2 file-» 22 - 1 - - (401716)
 Quyidagi funksiyalardan qaysi biri toq?
 A) $y = \frac{x^4 - 2x^2}{3x}$ B) $y = \frac{x(x-4)(x-2)}{x^2 - 6x + 8}$
 C) $y = \frac{9x^2}{x^2 - 25}$ D) $y = |x+1| + x^2$
774. 2.2-2 file-» 6 - 3 - - (401717)
 $y = \sqrt{\frac{(x-3)(x-1)}{x(4-x)}}$ funksiyaning aniqlanish sohasini toping.
 A) $[0; 1) \cup [3; 4)$ B) $(0; 1) \cup [3; 4)$
 C) $(0; 1] \cup [3; 4)$ D) $(-\infty; 0) \cup (1; 3] \cup (4; \infty)$
775. 2.2-2 file-» 12 - 1 - - (401718)
 Juft funksiyalarni toping.
 $y_1 = 3^x + 3^{-x}$, $y_2 = 3x^5 + x^3$,
 $y_3 = \sqrt{20-x+x^2} + \sqrt{20+x+x^2}$,
 $y_4 = \log_3 4x + 1$, $y_5 = x^2 + \lg|x|$.
 A) y_1, y_2 B) y_1, y_4 C) y_2 **D) y_1, y_3, y_5**
776. 2.2-2 file-» 13 - 4 - - (401719)
 Quyida berilganlardan toq funksiyani toping.
 A) $y = |x| - 1$ **B) $y = x(|x| + 1)$**
 C) $y = -\cos x$ D) $y = \begin{cases} -x, & x \geq 0, \\ x, & x < 0 \end{cases}$
777. 2.2-2 file-» 19 - 1 - - 3 (401720)
 a ning qanday qiymatlarida $y = 9x^2 - 12x - 17,5a$ parabola absissalar o'qi bilan ikkita umumiy nuqtaga ega bo'ladi?
 A) $a > -\frac{8}{35}$ B) $a < \frac{4}{35}$ C) $a > \frac{4}{35}$
 D) $a < \frac{18}{35}$
778. 2.2-2 file-» 22 - 19 - - 4 (401721)
 $y = \frac{k}{x-2}$ ($k < 0$) funksiyaning grafigi qaysi choraklar orqali o'tadi?
 A) I va III **B) I, II va IV** C) II, III, IV
 D) I, II va III
779. 2.2-2 file-» 22 - 19 - - 4 (401722)
 Agar $2x + y = 2\sqrt{7}$ bo'lsa, xy ning eng katta qiymati nechaga teng bo'ladi?
 A) 2,5 B) 4,5 C) 3 **D) 3,5**
780. 2.2-2 file-» 23 - 11 - - 9 (401723)
 $\frac{x^2 + 2x + 9}{x^2 + 2x + 3,5}$ ifodaning eng katta qiymatini toping.
 A) 3,5 **B) 3,2** C) 2,4 D) 2,8
781. 2.2-2 file-» 23 - 16 - - 1 (401724)
 Agar $m > 0$, $n > 0$ va $m + n = 14\sqrt{2}$ bo'lsa, mn ning eng katta qiymatini toping.
A) 98 B) 72 C) 64 D) 60
782. 2.2-2 file-» 2 - 6 - - (401725)
 $f(x) = 3x^2 + 6x + a + 6$ funksiyaning eng kichik qiymati 5 ga teng bo'lsa, a ning qiymati nechaga teng?
A) 2 B) 6 C) -6 D) 4
783. 2.2-2 file-» 50 - 145 - - (704130)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(-1; -2)$ nuqtadan o'tadi?
 A) 2; -4 B) -2; 0 C) 2; 4 **D) 2; 0**
784. 2.2-2 file-» 50 - 145 - - (704131)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(-1; -5)$ nuqtadan o'tadi?
A) 5; 0 B) 5; -10 C) -5; 0 D) 5; 10
785. 2.2-2 file-» 50 - 145 - - (704132)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(-1; 1)$ nuqtadan o'tadi?
 A) -1; -2 **B) -1; 0** C) -1; 2 D) 1; 0
786. 2.2-2 file-» 50 - 145 - - (704133)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(-4; -2)$ nuqtadan o'tadi?
 A) -8; 30 B) 8; 34 **C) 8; 30**
 D) 8; -34
787. 2.2-2 file-» 50 - 145 - - (704134)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(2; -2)$ nuqtadan o'tadi?
 A) -4; -10 B) 4; 6 C) -4; 10
D) -4; 6

788. 2.2-2 file-» 50 - 145 - - (704135)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola
va $y = kx + l$ to'g'ri chiziq $M(-2; -3)$ nuqtadan
o'tadi?
A) 6; 9 B) 6; -15 C) -6; 9 D) 6; 15
789. 2.2-2 file-» 50 - 145 - - (704136)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola
va $y = kx + l$ to'g'ri chiziq $M(-2; -7)$ nuqtadan
o'tadi?
A) 14; 35 B) 14; 21 C) 14; -35
D) -14; 21
790. 2.2-2 file-» 50 - 145 - - (704137)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola
va $y = kx + l$ to'g'ri chiziq $M(-2; 1)$ nuqtadan
o'tadi?
A) 2; -3 B) -2; -5 C) -2; -3
D) -2; 5
791. 2.2-2 file-» 50 - 145 - - (704138)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola
va $y = kx + l$ to'g'ri chiziq $M(-6; -3)$ nuqtadan
o'tadi?
A) 18; -111 B) -18; 105 C) 18; 111
D) 18; 105
792. 2.2-2 file-» 50 - 145 - - (704139)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola
va $y = kx + l$ to'g'ri chiziq $M(2; -3)$ nuqtadan
o'tadi?
A) -6; 9 B) -6; -15 C) 6; 9
D) -6; 15
793. 2.2-2 file-» 50 - 145 - - (704140)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola
va $y = kx + l$ to'g'ri chiziq $M(-3; -4)$ nuqtadan
o'tadi?
A) 12; 40 B) 12; 32 C) 12; -40
D) -12; 32
794. 2.2-2 file-» 50 - 145 - - (704141)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola
va $y = kx + l$ to'g'ri chiziq $M(-3; -9)$ nuqtadan
o'tadi?
A) -27; 72 B) 27; 90 C) 27; 72
D) 27; -90

795. 2.2-2 file-» 50 - 145 - - (704142)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola
va $y = kx + l$ to'g'ri chiziq $M(-3; 1)$ nuqtadan
o'tadi?
A) -3; 10 B) 3; -8 C) -3; -10
D) -3; -8
796. 2.2-2 file-» 50 - 145 - - (704143)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola
va $y = kx + l$ to'g'ri chiziq $M(-8; -4)$ nuqtadan
o'tadi?
A) 32; 252 B) 32; -260 C) -32; 252
D) 32; 260
797. 2.2-2 file-» 50 - 145 - - (704144)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola
va $y = kx + l$ to'g'ri chiziq $M(2; -4)$ nuqtadan
o'tadi?
A) -8; 20 B) -8; 12 C) -8; -20
D) 8; 12
798. 2.2-2 file-» 51 - 1 - - (719156)
 $y = \sqrt{\frac{(x-4)(2-x)}{(x+1)x}}$ funksiyaning aniqlanish
sohasini toping.
A) (-1; 0) \cup [2; 4] B) [-1; 0] \cup (2; 4)
C) (-1; 0] \cup [2; 4)
D) $(-\infty; -1) \cup (0; 2] \cup [4; \infty)$
799. 2.2-2 file-» 51 - 1 - - (719157)
 $y = \sqrt{(11-x)(x+5)}$ funksiyaning aniqlanish
sohasini toping.
A) $(-\infty; -5]$ B) [11; $\infty)$ C) [-5; 11]
D) $(-\infty; 11]$
800. 2.2-2 file-» 51 - 1 - - (719158)
To'g'ri to'rtburchakning tomonlari 3 va 7 sm.
Shu to'rtburchakning katta tomoni a sm ga
kichiklashtirildi, kichik tomonini esa shunchaga
uzaytirildi. a ning qanday qiymatida hosil
bo'lgan to'g'ri to'rtburchakning yuzi eng katta
qiymatga ega bo'ladi?
A) 1 B) 2 C) 3 D) 4
801. 2.2-2 file-» 51 - 1 - - (719159)
 $f(x) = x^2 - 6x + 4$ parabola uchining
koordinatalari yig'indisini toping.
A) -8 B) 10 C) -2 D) 8
802. 2.2-2 file-» 51 - 1 - - (719160)
 b va c ning qanday qiymatlarida $M(3; 5)$ nuqta
 $y = x^2 + bx + c$ parabolaning uchi bo'ladi?
A) 6; 14 B) -6; 14 C) 6; -14
D) -6; -14

803. 2.2-2 file-» 51 - 1 - - (719161)
 $y = \sqrt{(x-2)(x-12)(x+4)}$ funksiyaning aniqlanish sohasini toping.
A) $[-4; 2] \cup [12; \infty)$ **B)** $(-\infty; -4] \cup [2; 12]$
C) $(-\infty; 2] \cup [12; \infty)$ **D)** $[-4; 12]$
804. 2.2-2 file-» 51 - 1 - - (719162)
 $y = \frac{2}{lg(4+x)} - \sqrt{12-x}$ funksiyaning aniqlanish sohasini toping.
A) $(-4; -3) \cup (-3; 12]$ **B)** $(-4; 12]$
C) $(-4; 12)$ **D)** $(-\infty; -3) \cup (-3; 12]$
805. 2.2-2 file-» 58 - 1 - - (719163)
 Agar $f(x) = \frac{5x+1}{x-4}$ bo'lsa, $f(x+2) - f(x+6)$ nimaga teng bo'ladi?
A) $\frac{84}{x^2-4}$ **B)** $\frac{84x}{x^2-4}$ **C)** $\frac{84}{x-2}$
D) $\frac{42}{x^2-4}$
806. 2.2-2 file-» 58 - 1 - - (719164)
 $y = \frac{3-x}{x^2+7}$ funksiyaning kamayish oralig'i uzunligini aniqlang.
A) 3 **B)** 7 **C)** 8 **D)** 10
807. 2.2-2 file-» - 153 - - (719165)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(1; 2)$ nuqtadan o'tadi?
A) 2; 0 **B)** 2; 4 **C)** -2; 0 **D)** 2; -4
808. 2.2-2 file-» - 153 - - (719166)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(1; 5)$ nuqtadan o'tadi?
A) 5; -10 **B)** 5; 0 **C)** 5; 10 **D)** -5; 0
809. 2.2-2 file-» - 153 - - (719167)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(1; -1)$ nuqtadan o'tadi?
A) 1; 0 **B)** -1; 2 **C)** -1; 0 **D)** -1; -2
810. 2.2-2 file-» - 153 - - (719168)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(4; 2)$ nuqtadan o'tadi?
A) 8; 34 **B)** -8; -30 **C)** 8; -34
D) 8; -30
811. 2.2-2 file-» - 153 - - (719169)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(-2; 2)$ nuqtadan o'tadi?
A) -4; -6 **B)** -4; 10 **C)** 4; -6
D) -4; -10
812. 2.2-2 file-» - 153 - - (719170)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(2; 3)$ nuqtadan o'tadi?
A) 6; -15 **B)** 6; -9 **C)** 6; 15
D) -6; -9
813. 2.2-2 file-» - 153 - - (719171)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(2; 7)$ nuqtadan o'tadi?
A) -14; -21 **B)** 14; -35 **C)** 14; -21
D) 14; 35
814. 2.2-2 file-» - 153 - - (719172)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(2; -1)$ nuqtadan o'tadi?
A) -2; -5 **B)** 2; 3 **C)** -2; 5 **D)** -2; 3
815. 2.2-2 file-» - 153 - - (719173)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(6; 3)$ nuqtadan o'tadi?
A) 18; -105 **B)** 18; 111 **C)** -18; -105
D) 18; -111
816. 2.2-2 file-» - 153 - - (719174)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(-2; 3)$ nuqtadan o'tadi?
A) -6; -15 **B)** -6; -9 **C)** -6; 15
D) 6; -9
817. 2.2-2 file-» - 153 - - (719175)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola va $y = kx + l$ to'g'ri chiziq $M(3; 4)$ nuqtadan o'tadi?
A) -12; -32 **B)** 12; -40 **C)** 12; -32
D) 12; 40

818. 2.2-2 file-» - 153 - - (719176)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola
 va $y = kx + l$ to'g'ri chiziq $M(3; 9)$ nuqtadan
 o'tadi?
 A) 27; 90 B) -27; -72 C) 27; -90
D) 27; -72

819. 2.2-2 file-» - 153 - - (719177)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola
 va $y = kx + l$ to'g'ri chiziq $M(3; -1)$ nuqtadan
 o'tadi?
 A) -3; 8 B) -3; -10 C) 3; 8
D) -3; 10

820. 2.2-2 file-» - 153 - - (719178)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola
 va $y = kx + l$ to'g'ri chiziq $M(8; 4)$ nuqtadan
 o'tadi?
 A) 32; -260 B) 32; -252 C) 32; 260
 D) -32; -252

821. 2.2-2 file-» - 153 - - (719179)
 k va l ning qanday qiymatlarida $y = \frac{k}{x}$ giperbola
 va $y = kx + l$ to'g'ri chiziq $M(-2; 4)$ nuqtadan
 o'tadi?
 A) 8; -12 B) -8; -20 C) -8; -12
 D) -8; 20

822. 2.3-2 file-» 6 - 4 - - (14065)
 $2^{10} + 3^{12}$ йиғиндининг охири рақамини
 топинг.
 A) 5 B) 9 C) 4 D) 1

823. 2.3-2 file-» 6 - 5 - - (14117)
 $2^{11} + 3^{12}$ йиғиндининг охири рақамини
 топинг.
 A) 8 B) 7 C) 9 D) 5

824. 2.3-2 file-» 22 - 11 - - (36178)
 $\left(\frac{2}{3}\right)^{-3} + 2 \cdot 4^{-2} - \left(\frac{2}{3}\right)^{-1}$ ни ҳисобланг.
 A) $3\frac{1}{2}$ B) $4\frac{2}{3}$ C) 2 D) 2,5

825. 2.3-2 file-» 16 - 1 - - (56811)
 $\frac{\left(\frac{1}{343}\right)^{-1/3} + \left(\frac{1}{8}\right)^{-1/3}}{\sqrt[3]{18\sqrt{144}}}$ ни ҳисобланг.
 A) $\frac{3}{2}$ B) $\frac{5}{16}$ C) $\frac{2}{3}$ D) $\frac{4}{7}$

826. 2.3-2 file-» 16 - 2 - - (56861)
 $\left(\frac{3}{7}\right)^{-1} + 0,3^{-3} + (-0,5)^{-2} \cdot \frac{3}{4} - 10\frac{19}{27}$ ни
 ҳисобланг.
 A) $31\frac{2}{3}$ B) $42\frac{4}{9}$ C) $34\frac{2}{3}$ D) $48\frac{10}{27}$

827. 2.3-2 file-» 2 - 2 - - 8 (69736)
 $20 \cdot 2^{4n-6} - 80 \cdot (4^{n-2})^2$ ифодани
 соддалаштиринг.
 A) 0 B) 4^{2n} C) 4 D) 2^{n-1}

828. 2.3-2 file-» 12 - 2 - - 7 (71816)
 $\frac{2^8 \cdot 10^{10} \cdot 50^5}{(80 + 20)^{10}}$ ни ҳисобланг.
 A) $\frac{1}{32}$ B) 16 C) 8 D) $\frac{1}{64}$

829. 2.3-2 file-» 12 - 2 - - 7 (71818)
 $\frac{4^{2/3} \cdot 40^{1/3}}{10^{-2/3}}$ ни ҳисобланг.
 A) 15 B) 20 C) 60 D) 40

830. 2.3-2 file-» 19 - 2 - - 3 (87496)
 $\sqrt[3]{1024 \cdot 108} + 0,5 \cdot \sqrt[5]{32 \cdot 243}$ ни ҳисобланг.
 A) 45 B) 48 C) 49 D) 51

831. 2.3-2 file-» 5 - 11 - - 5 (93359)
 $3^{10} + 2^{11}$ йиғиндининг охири рақамини
 топинг.
 A) 5 B) 3 C) 7 D) 1

832. 2.3-2 file-» 5 - 12 - - 10 (96105)
 n ning қандай энг кичик натурал қийматида
 $2^{n-3} + 1$ сони 33 га қолдиқсиз бўлинади?
 A) 7 B) 8 C) 6 D) 4

833. 2.3-2 file-» 29 - 1 - - 8 (98519)
 $(0,75)^3 \cdot \left(-\frac{4}{6}\right) \cdot \left(\frac{8}{6}\right)^3 \cdot 4\frac{1}{8}$ ни ҳисобланг.
 A) 1,5 B) -1,75 C) -2,75 D) -2

834. 2.3-2 file-» 30 - 2 - - 9 (112378)
 $\sqrt[3]{2^3 \sqrt{2\sqrt{2}}} : 2^{\frac{1}{18}}$ ни ҳисобланг.
 A) $\sqrt[3]{32}$ B) $\sqrt[3]{16}$ C) $\sqrt[3]{8}$ D) $\sqrt[3]{64}$

835. 2.3-2 file-» 30 - 2 - - 9 (112380)
 $\frac{(-3)^{17} \cdot (-4) - 2 \cdot (-3)^{16}}{9^7 \cdot 15}$ сонининг учдан бир
 қисмини топинг.
 A) 6 B) 3 C) 2 D) 9

836. 2.3-2 file-» 32 - 3 - - 2 (139889)
 $\frac{\sqrt{196} \cdot \sqrt{19,6}}{\sqrt{0,196} \cdot \sqrt{1,96}} \cdot \left(\frac{5}{7}\right)^{-2}$ ни ҳисобланг.
 A) 19,6 B) 100 C) 196 D) 10

837. 2.3-2 file-» 2 - 45 - - 4 (146156)
 $\sqrt{19 - \sqrt{192}}$ ни soddalashtiring.
 A) $4 + \sqrt{3}$ B) $4 - \sqrt{3}$ C) $\sqrt{3} - 4$
 D) $10 - \sqrt{3}$
838. 2.3-2 file-» 2 - 45 - - 4 (146171)
 $\frac{3^9 \cdot 2^{19} + 15 \cdot 4^9 \cdot 9^4}{6^9 \cdot 2^{10} + 12^{10}} \cdot \left(\frac{3}{4}\right)^{-1}$ ni hisoblang.
 A) 1 B) 2 C) $\frac{1}{3}$ D) $\frac{2}{3}$
839. 2.3-2 file-» 31 - 2 - - 5 (146243)
 $4^{13} + 4^{13} + 4^{13} + 4^{13}$ йиғиндининг ярмини
 ҳисобланг.
 A) 2^{25} B) 2^{24} C) 4^{48} D) $8 \cdot 4^{12}$
840. 2.3-2 file-» 54 - 1 - - (175391)
 Агар $a = 3$, $b = 5$ бўлса, $\sqrt[3]{a^b + b^a - 152}$ ни
 ҳисобланг.
 A) $\sqrt[3]{150}$ B) $\sqrt[3]{200}$ C) 5 D) 6
841. 2.3-2 file-» 6 - 4 - - (315169)
 $2^{10} + 3^{12}$ yig'indining oxirgi raqamini toping.
 A) 5 B) 9 C) 4 D) 1
842. 2.3-2 file-» 6 - 5 - - (315170)
 $2^{11} + 3^{12}$ yig'indining oxirgi raqamini toping.
 A) 8 B) 7 C) 9 D) 5
843. 2.3-2 file-» 22 - 11 - - (315171)
 $\left(\frac{2}{3}\right)^{-3} + 2 \cdot 4^{-2} - \left(\frac{2}{3}\right)^{-1}$ ni hisoblang.
 A) $3\frac{1}{2}$ B) $4\frac{2}{3}$ C) 2 D) 2,5
844. 2.3-2 file-» 16 - 1 - - (315172)
 $\frac{\left(\frac{1}{343}\right)^{-1/3} + \left(\frac{1}{8}\right)^{-1/3}}{\sqrt[3]{18\sqrt{144}}}$ ni hisoblang.
 A) $\frac{3}{2}$ B) $\frac{5}{16}$ C) $\frac{2}{3}$ D) $\frac{4}{7}$
845. 2.3-2 file-» 16 - 2 - - (315173)
 $\left(\frac{3}{7}\right)^{-1} + 0,3^{-3} + (-0,5)^{-2} \cdot \frac{3}{4} - 10\frac{19}{27}$ ni
 hisoblang.
 A) $31\frac{2}{3}$ B) $42\frac{4}{9}$ C) $34\frac{2}{3}$ D) $48\frac{10}{27}$
846. 2.3-2 file-» 2 - 2 - - 8 (315174)
 $20 \cdot 2^{4n-6} - 80 \cdot (4^{n-2})^2$ ifodani soddalashtiring.
 A) 0 B) 4^{2n} C) 4 D) 2^{n-1}
847. 2.3-2 file-» 12 - 2 - - 7 (315175)
 $\frac{2^8 \cdot 10^{10} \cdot 50^5}{(80 + 20)^{10}}$ ni hisoblang.
 A) $\frac{1}{32}$ B) 16 C) 8 D) $\frac{1}{64}$
848. 2.3-2 file-» 12 - 2 - - 7 (315176)
 $\frac{4^{2/3} \cdot 40^{1/3}}{10^{-2/3}}$ ni hisoblang.
 A) 15 B) 20 C) 60 D) 40
849. 2.3-2 file-» 19 - 2 - - 3 (315177)
 $\sqrt[3]{1024 \cdot 108} + 0,5 \cdot \sqrt[5]{32 \cdot 243}$ ni hisoblang.
 A) 45 B) 48 C) 49 D) 51
850. 2.3-2 file-» 5 - 11 - - 5 (315178)
 $3^{10} + 2^{11}$ yig'indining oxirgi raqamini toping.
 A) 5 B) 3 C) 7 D) 1
851. 2.3-2 file-» 5 - 12 - - 10 (315179)
 n ning qanday eng kichik natural qiymatida
 $2^{n-3} + 1$ soni 33 ga qoldiqsiz bo'linadi?
 A) 7 B) 8 C) 6 D) 4
852. 2.3-2 file-» 29 - 1 - - 8 (315180)
 $(0,75)^3 \cdot \left(-\frac{4}{6}\right) \cdot \left(\frac{8}{6}\right)^3 \cdot 4\frac{1}{8}$ ni hisoblang.
 A) 1,5 B) -1,75 C) -2,75 D) -2
853. 2.3-2 file-» 30 - 2 - - 9 (315181)
 $\sqrt[3]{2\sqrt[3]{2\sqrt{2}}} : 2^{\frac{1}{18}}$ ni hisoblang.
 A) $\sqrt[3]{32}$ B) $\sqrt[3]{16}$ C) $\sqrt[3]{8}$ D) $\sqrt[3]{64}$
854. 2.3-2 file-» 30 - 2 - - 9 (315182)
 $\frac{(-3)^{17} \cdot (-4) - 2 \cdot (-3)^{16}}{9^7 \cdot 15}$ sonining uchdan bir
 qismini toping.
 A) 6 B) 3 C) 2 D) 9
855. 2.3-2 file-» 32 - 3 - - 2 (315183)
 $\frac{\sqrt{196} \cdot \sqrt{19,6}}{\sqrt{0,196} \cdot \sqrt{1,96}} \cdot \left(\frac{5}{7}\right)^{-2}$ ni hisoblang.
 A) 19,6 B) 100 C) 196 D) 10
856. 2.3-2 file-» 2 - 45 - - 4 (315184)
 $\sqrt{19 - \sqrt{192}}$ ni soddalashtiring.
 A) $4 + \sqrt{3}$ B) $4 - \sqrt{3}$ C) $\sqrt{3} - 4$
 D) $10 - \sqrt{3}$
857. 2.3-2 file-» 2 - 45 - - 4 (315185)
 $\frac{3^9 \cdot 2^{19} + 15 \cdot 4^9 \cdot 9^4}{6^9 \cdot 2^{10} + 12^{10}} \cdot \left(\frac{3}{4}\right)^{-1}$ ni hisoblang.
 A) 1 B) 2 C) $\frac{1}{3}$ D) $\frac{2}{3}$

858. 2.3-2 file-» 31 - 2 - - 5 (315186)
 $4^{13} + 4^{13} + 4^{13} + 4^{13}$ yig'indining yarmini hisoblang.
 A) 2^{25} B) 2^{24} C) 4^{48} **D) $8 \cdot 4^{12}$**
859. 2.3-2 file-» 54 - 1 - - (315187)
 Agar $a = 3$, $b = 5$ bo'lsa, $\sqrt[3]{a^b + b^a - 152}$ ni hisoblang.
 A) $\sqrt[3]{150}$ B) $\sqrt[3]{200}$ C) 5 **D) 6**
860. 2.3-2 file-» 6 - 4 - - 1 (704145)
 $2^{10} + 3^{12}$ yig'indining oxirgi raqamini toping.
A) 5 B) 9 C) 4 D) 1
861. 2.3-2 file-» 6 - 5 - - 1 (704146)
 $2^{11} + 3^{12}$ yig'indining oxirgi raqamini toping.
 A) 8 B) 7 **C) 9** D) 5
862. 2.3-2 file-» 22 - 11 - - 1 (704147)
 $\left(\frac{2}{3}\right)^{-3} + 2 \cdot 4^{-2} - \left(\frac{2}{3}\right)^{-1}$ ni hisoblang.
 A) $3\frac{1}{2}$ B) $4\frac{2}{3}$ **C) 2** D) 2,5
863. 2.3-2 file-» 16 - 1 - - 1 (704148)
 $\frac{\left(\frac{1}{343}\right)^{-1/3} + \left(\frac{1}{8}\right)^{-1/3}}{\sqrt[3]{18\sqrt{144}}}$ ni hisoblang.
A) $\frac{3}{2}$ B) $\frac{5}{16}$ C) $\frac{2}{3}$ D) $\frac{4}{7}$
864. 2.3-2 file-» 16 - 2 - - 1 (704149)
 $\left(\frac{3}{7}\right)^{-1} + 0,3^{-3} + (-0,5)^{-2} \cdot \frac{3}{4} - 10\frac{19}{27}$ ni hisoblang.
A) $31\frac{2}{3}$ B) $42\frac{4}{9}$ C) $34\frac{2}{3}$ D) $48\frac{10}{27}$
865. 2.3-2 file-» 2 - 2 - - 1 (704150)
 $20 \cdot 2^{4n-6} - 80 \cdot (4^{n-2})^2$ ifodani soddalashtiring.
A) 0 B) 4^{2n} C) 4 D) 2^{n-1}
866. 2.3-2 file-» 12 - 2 - - 1 (704151)
 $\frac{2^8 \cdot 10^{10} \cdot 50^5}{(80 + 20)^{10}}$ ni hisoblang.
 A) $\frac{1}{32}$ B) 16 **C) 8** D) $\frac{1}{64}$
867. 2.3-2 file-» 12 - 2 - - 1 (704152)
 $\frac{4^{2/3} \cdot 40^{1/3}}{10^{-2/3}}$ ni hisoblang.
 A) 15 B) 20 C) 60 **D) 40**
868. 2.3-2 file-» 19 - 2 - - 1 (704153)
 $\sqrt[3]{1024 \cdot 108} + 0,5 \cdot \sqrt[5]{32 \cdot 243}$ ni hisoblang.
 A) 45 B) 48 C) 49 **D) 51**
869. 2.3-2 file-» 5 - 11 - - 1 (704154)
 $3^{10} + 2^{11}$ yig'indining oxirgi raqamini toping.
 A) 5 B) 3 **C) 7** D) 1
870. 2.3-2 file-» 5 - 12 - - 1 (704155)
 n ning qanday eng kichik natural qiymatida $2^{n-3} + 1$ soni 33 ga qoldiqsiz bo'linadi?
 A) 7 **B) 8** C) 6 D) 4
871. 2.3-2 file-» 29 - 1 - - 1 (704156)
 $(0,75)^3 \cdot \left(-\frac{4}{6}\right) \cdot \left(\frac{8}{6}\right)^3 \cdot 4\frac{1}{8}$ ni hisoblang.
 A) 1,5 B) -1,75 **C) -2,75** D) -2
872. 2.3-2 file-» 30 - 2 - - 1 (704157)
 $\sqrt[3]{2^3 \sqrt{2^2}} : 2^{\frac{1}{18}}$ ni hisoblang.
 A) $\sqrt[3]{32}$ **B) $\sqrt[3]{16}$** C) $\sqrt[3]{8}$ D) $\sqrt[3]{64}$
873. 2.3-2 file-» 30 - 2 - - 1 (704158)
 $\frac{(-3)^{17} \cdot (-4) - 2 \cdot (-3)^{16}}{9^7 \cdot 15}$ sonining uchdan bir qismini toping.
 A) 6 B) 3 **C) 2** D) 9
874. 2.3-2 file-» 32 - 3 - - 1 (704159)
 $\frac{\sqrt{196} \cdot \sqrt{19,6}}{\sqrt{0,196} \cdot \sqrt{1,96}} \cdot \left(\frac{5}{7}\right)^{-2}$ ni hisoblang.
 A) 19,6 B) 100 **C) 196** D) 10
875. 2.3-2 file-» 22 - 12 - - 2 (719180)
 $\left(\frac{3}{5}\right)^{-2} + 12 \cdot 3^{-3} - \left(\frac{9}{11}\right)^{-1}$ ni hisoblang.
A) 2 B) $2\frac{2}{9}$ C) $4\frac{1}{3}$ D) $3\frac{2}{9}$
876. 2.3-2 file-» 28 - 1 - - 2 (719181)
 $\frac{24^5 \cdot 72^6}{8^5 \cdot 36^8}$ ni hisoblang.
 A) 24 B) 32 C) 16 **D) 12**
877. 2.3-2 file-» 28 - 2 - - 2 (719182)
 $\frac{77^4 \cdot 110^7}{154^3 \cdot 55^8}$ ni hisoblang.
A) $22\frac{2}{5}$ B) $30\frac{9}{25}$ C) $31\frac{1}{25}$ D) $31\frac{9}{25}$
878. 2.3-2 file-» 22 - 1 - - 2 (719183)
 $\left(\frac{2}{5}\right)^{-3} + 4\frac{1}{2} \cdot 6^{-2} - \left(\frac{8}{75}\right)^{-1}$ ni hisoblang.
 A) $8\frac{3}{8}$ B) $15\frac{1}{8}$ C) $11\frac{3}{5}$ **D) $6\frac{3}{8}$**
879. 2.3-2 file-» 12 - 1 - - 2 (719184)
 $\frac{6^{1/3} \cdot 30^{2/3}}{5^{-1/3}}$ ni hisoblang.
 A) 45 B) 15 C) 5 **D) 30**

880. 2.3-2 file-» 15 - 1 - - 2 (719185)
 $\frac{3 \cdot 7^{15} - 19 \cdot 7^{14}}{(7^{16} + 3 \cdot 7^{15}) \cdot 1,4}$ ni hisoblang.
 A) 7 B) 49 C) $\frac{1}{7}$ **D) $\frac{1}{49}$**

881. 2.3-2 file-» 15 - 2 - - 2 (719186)
 $\frac{17 \cdot 4^{16} - 4 \cdot 8^{10}}{4^{18}}$ ni hisoblang.
 A) 4 B) 2 **C) 1** D) 16

882. 2.3-2 file-» 17 - 1 - - 2 (719187)
 $(-0,75)^3 \cdot \left(-\frac{2}{3}\right)^2 \cdot (1,5)^4 \cdot \left(-\frac{4}{3}\right)^3 \cdot \left(\frac{9}{11}\right)^{-1}$ ni hisoblang.
 A) 1,75 **B) 2,75** C) 2,5 D) 2,25

883. 2.3-2 file-» 17 - 2 - - 2 (719188)
 $\left[(\sqrt[8]{16})^{-12} \cdot \left(\frac{1}{33}\right)^{-1} - 17 \cdot 4^{-3} \right]^{-1}$ ni hisoblang.
 A) $\frac{1}{2}$ **B) 4** C) 2 D) $\frac{1}{4}$

884. 2.3-2 file-» 2 - 1 - - 3 (719189)
 $\frac{4^5 \cdot 10^9}{4^3 \cdot 10^{11}}$ ni hisoblang.
A) 0,16 B) 1,6 C) 16 D) 0,04

885. 2.4-1 file-» 50 - 13 - - (164431)
 Қуйида келтирилган тенгликлардан қайсылари айният?
 1) $(x+a) \cdot (x-b) = x^2 + (a-b)x - ab$;
 2) $(x-c) \cdot (x-d) = x^2 - (c+d)x + cd$;
 3) $(x-e) \cdot (x+d) = x^2 + (e-d)x - ed$;
 4) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$.
A) 1; 2; 4 B) 2; 3; 4 C) 1; 3; 4 D) 1; 2; 3

886. 2.4-1 file-» 50 - 13 - - (164432)
 Қуйида келтирилган тенгликлардан қайсылари айният?
 1) $(x+a) \cdot (x-b) = x^2 - (a-b)x - ab$;
 2) $(x-c) \cdot (x-d) = x^2 - (c+d)x + cd$;
 3) $(x-e) \cdot (x+d) = x^2 - (e-d)x - ed$;
 4) $6ab + (2a^3 + b^3 - (3ab^2 - (a^3 + 2ab^2 - b^3))) = 3a^3 - ab^2 + 6ab$.
 A) 1; 2; 3 **B) 2; 3; 4** C) 1; 3; 4 D) 1; 2; 4

887. 2.4-1 file-» 50 - 13 - - (164433)
 Қуйида келтирилган тенгликлардан қайсылари айният?
 1) $(x-c) \cdot (x-d) = x^2 - (c+d)x + cd$;
 2) $(x-e) \cdot (x+d) = x^2 - (e-d)x - ed$;
 3) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$;
 4) $3a - (2c - (6a - (c-b) + c + (a+8b) - 6c)) = 2a + 7b - 8c$.
 A) 2; 3; 4 B) 1; 3; 4 **C) 1; 2; 3** D) 1; 2; 4

888. 2.4-1 file-» 50 - 13 - - (164434)
 Қуйида келтирилган тенгликлардан қайсылари айният?
 1) $(x-c) \cdot (x-d) = x^2 - (c+d)x + cd$;
 2) $(x-e) \cdot (x+d) = x^2 - (e-d)x - ed$;
 3) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2 + 12y^2$;
 4) $3a - (2c - (6a - (c-b) + c + (a+8b) - 6c)) = 10a + 9b - 8c$.
 A) 2; 3; 4 B) 1; 3; 4 C) 1; 2; 3 **D) 1; 2; 4**

889. 2.4-1 file-» 50 - 13 - - (164435)
 Қуйида келтирилган тенгликлардан қайсылари айният?
 1) $(x-e) \cdot (x+d) = x^2 - (e-d)x - ed$;
 2) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2$;
 3) $6ab + (2a^3 + b^3 - (3ab^2 - (a^3 + 2ab^2 - b^3))) = 3a^3 - ab^2 + 6ab$;
 4) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 + 4ab - 3b^2$.
A) 1; 2; 3 B) 1; 3; 4 C) 2; 3; 4 D) 1; 2; 4

890. 2.4-1 file-» 50 - 13 - - (164436)
 Қуйида келтирилган тенгликлардан қайсылари айният?
 1) $(x-c) \cdot (x-d) = x^2 + (c-d)x + cd$;
 2) $(x-e) \cdot (x+d) = x^2 - (e-d)x - ed$;
 3) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2$;
 4) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$.
 A) 1; 2; 4 **B) 2; 3; 4** C) 1; 3; 4 D) 1; 2; 3

891. 2.4-1 file-» 50 - 13 - - (164437)
 Қуйида келтирилган тенгликлардан қайсылари айният?
 1) $(x-c) \cdot (x-d) = x^2 + (c-d)x + cd$;
 2) $(x-e) \cdot (x+d) = x^2 - (e-d)x - ed$;
 3) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2$;
 4) $3a - (2c - (6a - (c-b) + c + (a+8b) - 6c)) = 10a + 9b - 8c$.
 A) 1; 2; 4 B) 1; 3; 4 **C) 2; 3; 4** D) 1; 2; 3

892. 2.4-1 file-» 50 - 13 - - (164438)
 Қуйида келтирилган тенгликлардан қайсылари айнйят?
 1) $(x - c) \cdot (x - d) = x^2 + (c - d)x + cd$;
 2) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;
 3) $6ab + (2a^3 + b^3 - (3ab^2 - (a^3 + 2ab^2 - b^3))) = 3a^3 - ab^2 + 6ab$;
 4) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$.
 A) 1; 3; 4 B) 1; 2; 4 C) 1; 2; 3 **D) 2; 3; 4**

893. 2.4-1 file-» 50 - 13 - - (164439)
 Қуйида келтирилган тенгликлардан қайсылари айнйят?
 1) $(x - e) \cdot (x + d) = x^2 + (e - d)x - ed$;
 2) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2$;
 3) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$;
 4) $3a - (2c - (6a - (c - b) + c + (a + 8b) - 6c)) = 10a + 9b - 8c$.
A) 2; 3; 4 B) 1; 3; 4 C) 1; 2; 4 D) 1; 2; 3

894. 2.4-1 file-» 50 - 13 - - (164440)
 Қуйида келтирилган тенгликлардан қайсылари айнйят?
 1) $(x + a) \cdot (x - b) = x^2 - (a - b)x - ab$;
 2) $6ab + (2a^3 + b^3 - (3ab^2 - (a^3 + 2ab^2 - b^3))) = 3a^3 - ab^2 + 6ab$;
 3) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$;
 4) $3a - (2c - (6a - (c - b) + c + (a + 8b) - 6c)) = 10a + 9b - 8c$.
 A) 1; 2; 4 B) 1; 3; 4 C) 1; 2; 3 **D) 2; 3; 4**

895. 2.4-1 file-» 50 - 13 - - (315188)
 Quyida keltirilgan tengliklardan qaysilari ayniyat?
 1) $(x + a) \cdot (x - b) = x^2 + (a - b)x - ab$;
 2) $(x - c) \cdot (x - d) = x^2 - (c + d)x + cd$;
 3) $(x - e) \cdot (x + d) = x^2 + (e - d)x - ed$;
 4) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$.
A) 1; 2; 4 B) 2; 3; 4 C) 1; 3; 4 D) 1; 2; 3

896. 2.4-1 file-» 50 - 13 - - (315189)
 Quyida keltirilgan tengliklardan qaysilari ayniyat?
 1) $(x + a) \cdot (x - b) = x^2 - (a - b)x - ab$;
 2) $(x - c) \cdot (x - d) = x^2 - (c + d)x + cd$;
 3) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;
 4) $6ab + (2a^3 + b^3 - (3ab^2 - (a^3 + 2ab^2 - b^3))) = 3a^3 - ab^2 + 6ab$.
 A) 1; 2; 3 **B) 2; 3; 4** C) 1; 3; 4 D) 1; 2; 4

897. 2.4-1 file-» 50 - 13 - - (315190)
 Quyida keltirilgan tengliklardan qaysilari ayniyat?
 1) $(x - c) \cdot (x - d) = x^2 - (c + d)x + cd$;
 2) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;
 3) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$;
 4) $3a - (2c - (6a - (c - b) + c + (a + 8b) - 6c)) = 2a + 7b - 8c$.
 A) 2; 3; 4 B) 1; 3; 4 **C) 1; 2; 3** D) 1; 2; 4

898. 2.4-1 file-» 50 - 13 - - (315191)
 Quyida keltirilgan tengliklardan qaysilari ayniyat?
 1) $(x - c) \cdot (x - d) = x^2 - (c + d)x + cd$;
 2) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;
 3) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2 + 12y^2$;
 4) $3a - (2c - (6a - (c - b) + c + (a + 8b) - 6c)) = 10a + 9b - 8c$.
 A) 2; 3; 4 B) 1; 3; 4 C) 1; 2; 3 **D) 1; 2; 4**

899. 2.4-1 file-» 50 - 13 - - (315192)
 Quyida keltirilgan tengliklardan qaysilari ayniyat?
 1) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;
 2) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2$;
 3) $6ab + (2a^3 + b^3 - (3ab^2 - (a^3 + 2ab^2 - b^3))) = 3a^3 - ab^2 + 6ab$;
 4) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 + 4ab - 3b^2$.
A) 1; 2; 3 B) 1; 3; 4 C) 2; 3; 4 D) 1; 2; 4

900. 2.4-1 file-» 50 - 13 - - (315193)
 Quyida keltirilgan tengliklardan qaysilari ayniyat?
 1) $(x - c) \cdot (x - d) = x^2 + (c - d)x + cd$;
 2) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;
 3) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2$;
 4) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$.
 A) 1; 2; 4 **B) 2; 3; 4** C) 1; 3; 4 D) 1; 2; 3

901. 2.4-1 file-» 50 - 13 - - (315194)
 Quyida keltirilgan tengliklardan qaysilari ayniyat?
 1) $(x - c) \cdot (x - d) = x^2 + (c - d)x + cd$;
 2) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;
 3) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2$;
 4) $3a - (2c - (6a - (c - b) + c + (a + 8b) - 6c)) = 10a + 9b - 8c$.
 A) 1; 2; 4 B) 1; 3; 4 **C) 2; 3; 4** D) 1; 2; 3

902. 2.4-1 file-» 50 - 13 - - (315195)
 Quyida keltirilgan tengliklardan qaysilari ayniyat?
 1) $(x - c) \cdot (x - d) = x^2 + (c - d)x + cd$;
 2) $(x - e) \cdot (x + d) = x^2 - (e - d)x - ed$;
 3) $6ab + (2a^3 + b^3 - (3ab^2 - (a^3 + 2ab^2 - b^3))) = 3a^3 - ab^2 + 6ab$;
 4) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$.
 A) 1; 3; 4 B) 1; 2; 4 C) 1; 2; 3 **D) 2; 3; 4**
903. 2.4-1 file-» 50 - 13 - - (315196)
 Quyida keltirilgan tengliklardan qaysilari ayniyat?
 1) $(x - e) \cdot (x + d) = x^2 + (e - d)x - ed$;
 2) $12x^2 + y^2 - (8x^2 - 5y^2 - (-10x^2 + (5x^2 - 6y^2))) = -x^2$;
 3) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$;
 4) $3a - (2c - (6a - (c - b) + c + (a + 8b) - 6c)) = 10a + 9b - 8c$.
A) 2; 3; 4 B) 1; 3; 4 C) 1; 2; 4 D) 1; 2; 3
904. 2.4-1 file-» 50 - 13 - - (315197)
 Quyida keltirilgan tengliklardan qaysilari ayniyat?
 1) $(x + a) \cdot (x - b) = x^2 - (a - b)x - ab$;
 2) $6ab + (2a^3 + b^3 - (3ab^2 - (a^3 + 2ab^2 - b^3))) = 3a^3 - ab^2 + 6ab$;
 3) $5a^2 - 3b^2 - ((a^2 - 2ab - b^2) - (5a^2 - 2ab - b^2)) = 9a^2 - 3b^2$;
 4) $3a - (2c - (6a - (c - b) + c + (a + 8b) - 6c)) = 10a + 9b - 8c$.
 A) 1; 2; 4 B) 1; 3; 4 C) 1; 2; 3 **D) 2; 3; 4**
905. 2.4-1 file-» 50 - 121 - - (704160)
 Agar bo'luvchi $x - 9$ ga, bo'linma $x - 6$ ga va qoldiq 4 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 15x + 58$ **B) $x^2 - 15x + 58$**
 C) $x^2 + 15x - 58$ **D) $x^2 - 15x - 58$**
906. 2.4-1 file-» 50 - 121 - - (704161)
 Agar bo'luvchi $x - 6$ ga, bo'linma $x - 4$ ga va qoldiq -9 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 - 10x - 15$ B) $x^2 + 10x + 15$
C) $x^2 - 10x + 15$ D) $x^2 + 10x - 15$
907. 2.4-1 file-» 50 - 121 - - (704162)
 Agar bo'luvchi $x - 9$ ga, bo'linma $x - 4$ ga va qoldiq -6 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 13x - 30$ B) $x^2 - 13x - 30$
 C) $x^2 + 13x + 30$ **D) $x^2 - 13x + 30$**
908. 2.4-1 file-» 50 - 121 - - (704163)
 Agar bo'luvchi $x - 4$ ga, bo'linma $x + 6$ ga va qoldiq -9 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 2x - 33$ B) $x^2 - 2x + 33$
 C) $x^2 + 2x + 33$ D) $x^2 - 2x - 33$
909. 2.4-1 file-» 50 - 121 - - (704164)
 Agar bo'luvchi $x - 9$ ga, bo'linma $x - 6$ ga va qoldiq -4 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 15x + 50$ **B) $x^2 - 15x + 50$**
 C) $x^2 + 15x - 50$ D) $x^2 - 15x - 50$
910. 2.4-1 file-» 50 - 121 - - (704165)
 Agar bo'luvchi $x - 6$ ga, bo'linma $x + 4$ ga va qoldiq -9 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 - 2x + 33$ B) $x^2 + 2x - 33$
C) $x^2 - 2x - 33$ D) $x^2 + 2x + 33$
911. 2.4-1 file-» 50 - 121 - - (704166)
 Agar bo'luvchi $x - 9$ ga, bo'linma $x + 4$ ga va qoldiq -6 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 5x + 42$ B) $x^2 - 5x + 42$
 C) $x^2 + 5x - 42$ **D) $x^2 - 5x - 42$**
912. 2.4-1 file-» 50 - 121 - - (704167)
 Agar bo'luvchi $x + 4$ ga, bo'linma $x + 6$ ga va qoldiq -9 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 10x + 15$ B) $x^2 - 10x - 15$
 C) $x^2 + 10x - 15$ D) $x^2 - 10x + 15$
913. 2.4-1 file-» 50 - 121 - - (704168)
 Agar bo'luvchi $x - 8$ ga, bo'linma $x - 6$ ga va qoldiq 3 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 14x + 51$ **B) $x^2 - 14x + 51$**
 C) $x^2 + 14x - 51$ D) $x^2 - 14x - 51$
914. 2.4-1 file-» 50 - 121 - - (704169)
 Agar bo'luvchi $x - 6$ ga, bo'linma $x - 3$ ga va qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 - 9x - 10$ B) $x^2 + 9x + 10$
C) $x^2 - 9x + 10$ D) $x^2 + 9x - 10$
915. 2.4-1 file-» 50 - 121 - - (704170)
 Agar bo'luvchi $x - 8$ ga, bo'linma $x - 3$ ga va qoldiq -6 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 11x - 18$ B) $x^2 - 11x - 18$
 C) $x^2 + 11x + 18$ **D) $x^2 - 11x + 18$**
916. 2.4-1 file-» 50 - 121 - - (704171)
 Agar bo'luvchi $x - 3$ ga, bo'linma $x + 6$ ga va qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 3x - 26$ B) $x^2 - 3x + 26$
 C) $x^2 + 3x + 26$ D) $x^2 - 3x - 26$
917. 2.4-1 file-» 50 - 121 - - (704172)
 Agar bo'luvchi $x - 8$ ga, bo'linma $x - 6$ ga va qoldiq -3 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 14x + 45$ **B) $x^2 - 14x + 45$**
 C) $x^2 + 14x - 45$ D) $x^2 - 14x - 45$
918. 2.4-1 file-» 50 - 121 - - (704173)
 Agar bo'luvchi $x - 6$ ga, bo'linma $x + 3$ ga va qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 - 3x + 26$ B) $x^2 + 3x - 26$
C) $x^2 - 3x - 26$ D) $x^2 + 3x + 26$

919. 2.4-1 file-» 50 - 121 - - (704174)
 Agar bo'luvchi $x - 8$ ga, bo'linma $x + 3$ ga va qoldiq -6 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 5x + 30$ B) $x^2 - 5x + 30$
 C) $x^2 + 5x - 30$ D) $x^2 - 5x - 30$
920. 2.4-1 file-» 50 - 121 - - (704175)
 Agar bo'luvchi $x + 3$ ga, bo'linma $x + 6$ ga va qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 9x + 10$ B) $x^2 - 9x - 10$
 C) $x^2 + 9x - 10$ D) $x^2 - 9x + 10$
921. 2.4-1 file-» 50 - 121 - - (704176)
 Agar bo'luvchi $x - 9$ ga, bo'linma $x - 5$ ga va qoldiq 3 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 14x + 48$ B) $x^2 - 14x + 48$
 C) $x^2 + 14x - 48$ D) $x^2 - 14x - 48$
922. 2.4-1 file-» 50 - 121 - - (704177)
 Agar bo'luvchi $x - 5$ ga, bo'linma $x - 3$ ga va qoldiq -9 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 - 8x - 6$ B) $x^2 + 8x + 6$
C) $x^2 - 8x + 6$ D) $x^2 + 8x - 6$
923. 2.4-1 file-» 50 - 121 - - (704178)
 Agar bo'luvchi $x - 9$ ga, bo'linma $x - 3$ ga va qoldiq -5 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 12x - 22$ B) $x^2 - 12x - 22$
 C) $x^2 + 12x + 22$ D) $x^2 - 12x + 22$
924. 2.4-1 file-» 50 - 121 - - (704179)
 Agar bo'luvchi $x - 3$ ga, bo'linma $x + 5$ ga va qoldiq -9 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 2x - 24$ B) $x^2 - 2x + 24$
 C) $x^2 + 2x + 24$ D) $x^2 - 2x - 24$
925. 2.4-1 file-» 50 - 121 - - (704180)
 Agar bo'luvchi $x - 9$ ga, bo'linma $x - 5$ ga va qoldiq -3 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 14x + 42$ B) $x^2 - 14x + 42$
 C) $x^2 + 14x - 42$ D) $x^2 - 14x - 42$
926. 2.4-1 file-» 50 - 121 - - (704181)
 Agar bo'luvchi $x - 5$ ga, bo'linma $x + 3$ ga va qoldiq -9 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 - 2x + 24$ B) $x^2 + 2x - 24$
C) $x^2 - 2x - 24$ D) $x^2 + 2x + 24$
927. 2.4-1 file-» 50 - 121 - - (704182)
 Agar bo'luvchi $x - 9$ ga, bo'linma $x + 3$ ga va qoldiq -5 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 6x + 32$ B) $x^2 - 6x + 32$
 C) $x^2 + 6x - 32$ D) $x^2 - 6x - 32$
928. 2.4-1 file-» 50 - 121 - - (704183)
 Agar bo'luvchi $x + 3$ ga, bo'linma $x + 5$ ga va qoldiq -9 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 8x + 6$ B) $x^2 - 8x - 6$
 C) $x^2 + 8x - 6$ D) $x^2 - 8x + 6$
929. 2.4-1 file-» 50 - 121 - - (704184)
 Agar bo'luvchi $x - 7$ ga, bo'linma $x - 4$ ga va qoldiq 2 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 11x + 30$ B) $x^2 - 11x + 30$
 C) $x^2 + 11x - 30$ D) $x^2 - 11x - 30$
930. 2.4-1 file-» 50 - 121 - - (704185)
 Agar bo'luvchi $x - 7$ ga, bo'linma $x - 4$ ga va qoldiq -2 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 - 11x - 26$ B) $x^2 + 11x + 26$
C) $x^2 - 11x + 26$ D) $x^2 + 11x - 26$
931. 2.4-1 file-» 50 - 121 - - (704186)
 Agar bo'luvchi $x - 4$ ga, bo'linma $x - 2$ ga va qoldiq -7 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 6x - 1$ B) $x^2 - 6x - 1$
 C) $x^2 + 6x + 1$ D) $x^2 - 6x + 1$
932. 2.4-1 file-» 50 - 121 - - (704187)
 Agar bo'luvchi $x - 4$ ga, bo'linma $x + 2$ ga va qoldiq -7 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 - 2x - 15$ B) $x^2 + 2x + 15$
 C) $x^2 - 2x + 15$ D) $x^2 + 2x - 15$
933. 2.4-1 file-» 50 - 121 - - (704188)
 Agar bo'luvchi $x - 7$ ga, bo'linma $x - 2$ ga va qoldiq -4 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 9x + 10$ B) $x^2 - 9x + 10$
 C) $x^2 + 9x - 10$ D) $x^2 - 9x - 10$
934. 2.4-1 file-» 50 - 121 - - (704189)
 Agar bo'luvchi $x - 7$ ga, bo'linma $x + 2$ ga va qoldiq -4 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 - 5x + 18$ B) $x^2 + 5x - 18$
C) $x^2 - 5x - 18$ D) $x^2 + 5x + 18$
935. 2.4-1 file-» 51 - 2 - - (719190)
 Agar $p_1(x) = -2x^2 + 3x$, $p_2(x) = 4x^2 - 3$ va $p_3(x) = 2x - 4$ bo'lsa, $p_1(x) + p_2(x) - p_3(x)$ ko'phadni toping.
A) $2x^2 + x + 1$ B) $2x^2 + 5x + 1$
 C) $2x^2 + 5x - 7$ D) $2x^2 - 5x + 1$
936. 2.4-1 file-» 50 - 138 - - (719191)
 Agar bo'luvchi $x - 8$ ga, bo'linma $x - 5$ ga va qoldiq 3 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 13x + 43$ B) $x^2 - 13x + 43$
 C) $x^2 + 13x - 43$ D) $x^2 - 13x - 43$
937. 2.4-1 file-» 50 - 138 - - (719192)
 Agar bo'luvchi $x - 5$ ga, bo'linma $x - 3$ ga va qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 - 8x - 7$ B) $x^2 + 8x + 7$
C) $x^2 - 8x + 7$ D) $x^2 + 8x - 7$

938. 2.4-1 file-» 50 - 138 - - (719193)
 Agar bo'luvchi $x - 8$ ga, bo'linma $x - 3$ ga va qoldiq -5 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 11x - 19$ B) $x^2 - 11x - 19$
 C) $x^2 + 11x + 19$ D) $x^2 - 11x + 19$
939. 2.4-1 file-» 50 - 138 - - (719194)
 Agar bo'luvchi $x - 3$ ga, bo'linma $x + 5$ ga va qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 2x - 23$ B) $x^2 - 2x + 23$
 C) $x^2 + 2x + 23$ D) $x^2 - 2x - 23$
940. 2.4-1 file-» 50 - 138 - - (719195)
 Agar bo'luvchi $x - 8$ ga, bo'linma $x - 5$ ga va qoldiq -3 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 13x + 37$ B) $x^2 - 13x + 37$
 C) $x^2 + 13x - 37$ D) $x^2 - 13x - 37$
941. 2.4-1 file-» 50 - 138 - - (719196)
 Agar bo'luvchi $x - 5$ ga, bo'linma $x + 3$ ga va qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 - 2x + 23$ B) $x^2 + 2x - 23$
C) $x^2 - 2x - 23$ D) $x^2 + 2x + 23$
942. 2.4-1 file-» 50 - 138 - - (719197)
 Agar bo'luvchi $x - 8$ ga, bo'linma $x + 3$ ga va qoldiq -5 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 5x + 29$ B) $x^2 - 5x + 29$
 C) $x^2 + 5x - 29$ D) $x^2 - 5x - 29$
943. 2.4-1 file-» 50 - 138 - - (719198)
 Agar bo'luvchi $x + 3$ ga, bo'linma $x + 5$ ga va qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 8x + 7$ B) $x^2 - 8x - 7$
 C) $x^2 + 8x - 7$ D) $x^2 - 8x + 7$
944. 2.4-1 file-» 50 - 138 - - (719199)
 Agar bo'luvchi $x - 7$ ga, bo'linma $x - 5$ ga va qoldiq 2 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 12x + 37$ B) $x^2 - 12x + 37$
 C) $x^2 + 12x - 37$ D) $x^2 - 12x - 37$
945. 2.4-1 file-» 50 - 138 - - (719200)
 Agar bo'luvchi $x - 5$ ga, bo'linma $x - 2$ ga va qoldiq -7 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 - 7x - 3$ B) $x^2 + 7x + 3$
C) $x^2 - 7x + 3$ D) $x^2 + 7x - 3$
946. 2.4-1 file-» 50 - 138 - - (719201)
 Agar bo'luvchi $x - 7$ ga, bo'linma $x - 2$ ga va qoldiq -5 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 9x - 9$ B) $x^2 - 9x - 9$
 C) $x^2 + 9x + 9$ D) $x^2 - 9x + 9$
947. 2.4-1 file-» 50 - 138 - - (719202)
 Agar bo'luvchi $x - 2$ ga, bo'linma $x + 5$ ga va qoldiq -7 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 3x - 17$ B) $x^2 - 3x + 17$
 C) $x^2 + 3x + 17$ D) $x^2 - 3x - 17$
948. 2.4-1 file-» 50 - 138 - - (719203)
 Agar bo'luvchi $x - 7$ ga, bo'linma $x - 5$ ga va qoldiq -2 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 12x + 33$ B) $x^2 - 12x + 33$
 C) $x^2 + 12x - 33$ D) $x^2 - 12x - 33$
949. 2.4-1 file-» 50 - 138 - - (719204)
 Agar bo'luvchi $x - 5$ ga, bo'linma $x + 2$ ga va qoldiq -7 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 - 3x + 17$ B) $x^2 + 3x - 17$
C) $x^2 - 3x - 17$ D) $x^2 + 3x + 17$
950. 2.4-1 file-» 50 - 138 - - (719205)
 Agar bo'luvchi $x - 7$ ga, bo'linma $x + 2$ ga va qoldiq -5 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 5x + 19$ B) $x^2 - 5x + 19$
 C) $x^2 + 5x - 19$ D) $x^2 - 5x - 19$
951. 2.4-1 file-» 50 - 138 - - (719206)
 Agar bo'luvchi $x + 2$ ga, bo'linma $x + 5$ ga va qoldiq -7 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 7x + 3$ B) $x^2 - 7x - 3$
 C) $x^2 + 7x - 3$ D) $x^2 - 7x + 3$
952. 2.4-1 file-» 50 - 138 - - (719207)
 Agar bo'luvchi $x - 8$ ga, bo'linma $x - 4$ ga va qoldiq 2 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 12x + 34$ B) $x^2 - 12x + 34$
 C) $x^2 + 12x - 34$ D) $x^2 - 12x - 34$
953. 2.4-1 file-» 50 - 138 - - (719208)
 Agar bo'luvchi $x - 8$ ga, bo'linma $x - 2$ ga va qoldiq -4 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 10x - 12$ B) $x^2 - 10x - 12$
 C) $x^2 + 10x + 12$ D) $x^2 - 10x + 12$
954. 2.4-1 file-» 50 - 138 - - (719209)
 Agar bo'luvchi $x - 2$ ga, bo'linma $x + 4$ ga va qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
A) $x^2 + 2x - 16$ B) $x^2 - 2x + 16$
 C) $x^2 + 2x + 16$ D) $x^2 - 2x - 16$
955. 2.4-1 file-» 50 - 138 - - (719210)
 Agar bo'luvchi $x - 8$ ga, bo'linma $x - 4$ ga va qoldiq -2 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 12x + 30$ B) $x^2 - 12x + 30$
 C) $x^2 + 12x - 30$ D) $x^2 - 12x - 30$
956. 2.4-1 file-» 50 - 138 - - (719211)
 Agar bo'luvchi $x - 4$ ga, bo'linma $x + 2$ ga va qoldiq -8 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 - 2x + 16$ B) $x^2 + 2x - 16$
C) $x^2 - 2x - 16$ D) $x^2 + 2x + 16$
957. 2.4-1 file-» 50 - 138 - - (719212)
 Agar bo'luvchi $x - 8$ ga, bo'linma $x + 2$ ga va qoldiq -4 ga teng bo'lsa, bo'linuvchini toping.
 A) $x^2 + 6x + 20$ B) $x^2 - 6x + 20$
 C) $x^2 + 6x - 20$ D) $x^2 - 6x - 20$

958. 2.4-1 file-» 50 - 138 - - (719213)

Agar bo'luvchi $x - 6$ ga, bo'linma $x - 3$ ga va qoldiq 1 ga teng bo'lsa, bo'linuvchini toping.

- A) $x^2 + 9x + 19$ B) $x^2 - 9x + 19$
C) $x^2 + 9x - 19$ D) $x^2 - 9x - 19$

959. 2.4-1 file-» 50 - 138 - - (719214)

Agar bo'luvchi $x - 6$ ga, bo'linma $x - 3$ ga va qoldiq -1 ga teng bo'lsa, bo'linuvchini toping.

- A) $x^2 - 9x - 17$ B) $x^2 + 9x + 17$
C) $x^2 - 9x + 17$ D) $x^2 + 9x - 17$

960. 2.4-1 file-» 50 - 138 - - (719215)

Agar bo'luvchi $x - 3$ ga, bo'linma $x - 1$ ga va qoldiq -6 ga teng bo'lsa, bo'linuvchini toping.

- A) $x^2 + 4x + 3$ B) $x^2 - 4x + 3$
C) $x^2 + 4x - 3$ D) $x^2 - 4x - 3$

961. 2.4-1 file-» 50 - 138 - - (719216)

Agar bo'luvchi $x - 3$ ga, bo'linma $x + 1$ ga va qoldiq -6 ga teng bo'lsa, bo'linuvchini toping.

- A) $x^2 - 2x - 9$ B) $x^2 + 2x + 9$
C) $x^2 - 2x + 9$ D) $x^2 + 2x - 9$

962. 2.4-1 file-» 50 - 138 - - (719217)

Agar bo'luvchi $x - 6$ ga, bo'linma $x - 1$ ga va qoldiq -3 ga teng bo'lsa, bo'linuvchini toping.

- A) $x^2 + 7x + 3$ B) $x^2 - 7x + 3$
C) $x^2 + 7x - 3$ D) $x^2 - 7x - 3$

963. 2.4-1 file-» 50 - 138 - - (719218)

Agar bo'luvchi $x - 6$ ga, bo'linma $x + 1$ ga va qoldiq -3 ga teng bo'lsa, bo'linuvchini toping.

- A) $x^2 - 5x + 9$ B) $x^2 + 5x - 9$
C) $x^2 - 5x - 9$ D) $x^2 + 5x + 9$

964. 2.5-1 file-» 5 - 3 - - (13855)

$\frac{x^2 - 5xy}{-25y^2 + x^2}$ kasrni qisqartiring.

- A) $\frac{x}{x + 5y}$ B) $-\frac{x}{x + 5y}$ C) $\frac{x}{x - 5y}$
D) $-\frac{x}{x - 5y}$

965. 2.5-1 file-» 5 - 4 - - (13908)

$(x^2 + xy + y^2)(x - y)$ ifodaning $x = \sqrt[3]{4}$ va $y = \sqrt[3]{2}$ b'lgandagi qiymatini hisoblang.

- A) 6 B) -6 C) 2 D) -2

966. 2.5-1 file-» 5 - 4 - - (13910)

$\frac{x^2 + 4xy}{-16y^2 + x^2}$ kasrni qisqartiring.

- A) $\frac{x}{x + 4y}$ B) $-\frac{x}{x + 4y}$ C) $\frac{x}{x - 4y}$
D) $\frac{y}{4y - x}$

967. 2.5-1 file-» 5 - 5 - - (13964)

$(b - c)(b^2 + bc + c^2)$ ifodaning $b = \sqrt[3]{5}$ va $c = \sqrt[3]{3}$ b'lgandagi qiymatini hisoblang.

- A) 2 B) 8 C) -2 D) -8

968. 2.5-1 file-» 5 - 5 - - (13966)

$\frac{a^2 - 5ab}{-25b^2 + a^2}$ kasrni qisqartiring.

- A) $\frac{a}{a + 5b}$ B) $\frac{a}{a - 5b}$ C) $-\frac{a}{a + 5b}$
D) $-\frac{a}{a - 5b}$

969. 2.5-1 file-» 22 - 2 - - (14225)

$(3a - b)^2 + (3a + b)^2$ ni soddalashtiring.

- A) $2b^2 + 18a^2$ B) $-2b^2$ C) $-12ab$
D) $-6ab + 2b^2$

970. 2.5-1 file-» 22 - 2 - - (14231)

$(x - \frac{2 + x^2}{x - 1}) : \frac{x^2 + 4x + 4}{-x + 1}$ ni soddalashtiring.

- A) -1 B) $\frac{1}{x + 2}$ C) $\frac{x - 2}{(x + 2)^2}$ D) $-\frac{1}{x + 2}$

971. 2.5-1 file-» 22 - 3 - - (14284)

$(1 - 3a)^2 - (1 + 3a)(3a - 1)$ ni soddalashtiring.

- A) $18a^2 - 6a$ B) $-6a + 2$ C) $-3a + 2$
D) $9a^2 - 3a$

972. 2.5-1 file-» 22 - 3 - - (14290)

$(b^2 - \frac{4 + b^4}{b^2 + 1}) : \frac{-2 + b}{1 + b^2}$ ni soddalashtiring.

- A) 1 B) $b + 2$ C) $b - 2$ D) $\frac{1}{b + 2}$

973. 2.5-1 file-» 22 - 4 - - (14343)

$(a - 3b)^2 - (3a + b)^2$ ni soddalashtiring.

- A) $8a^2 + 12ab - 8b^2$ B) $-8a^2 + 12ab - 8b^2$
C) $8a^2 - 12ab + 8b^2$ D) $-8a^2 - 12ab + 8b^2$

974. 2.5-1 file-» 22 - 4 - - (14349)

$(m^2 - \frac{2 + m^4}{m^2 - 1}) : \frac{m^2 + 2}{m - 1}$ ni soddalashtiring.

- A) $m - 1$ B) $\frac{1}{m - 1}$ C) $-\frac{1}{m + 1}$ D) 1

975. 2.5-1 file-» 23 - 2 - - (36447)

1) $2a^2 - 4ab + 2b^2 = (b - a)^2 \cdot 2$

2) $-\frac{x^3 - y^3}{x^2 + xy + y^2} = x - y$

3) $-(a - b - c) = -a + b + c$

4) $-\frac{a^2 - 1}{b} = \frac{a^2 - 1}{b}$. Ushbu tengliklarning qaysi biri ayniyat?

- A) 1 B) 2; 4 C) 2 D) 1; 3

976. 2.5-1 file-» 23 - 3 - - (36507)

Қуйида келтирилган тенгликлардан қайси бири айният?

- A) $\frac{m^3 - n^3}{m - n} = m^2 - mn + n^2$
 B) $2mn - n^2 - m^2 = (m + n)^2$
 C) $\frac{m - (m - n) - (m + n)}{m - n} = -m$
 D) $-\frac{m - n}{n} = \frac{-m - n}{n}$

977. 2.5-1 file-» 22 - 17 - - (56961)

$\frac{0,05 \cdot 0,9 - 0,05}{0,2^2 - 2 \cdot 0,06 + 0,3^2}$ нинг қийматини ҳисобланг.

- A) 0,2 B) -2 C) -0,5 D) 0,25

978. 2.5-1 file-» 22 - 18 - - (57021)

$\frac{0,4^2 + 2 \cdot 0,04 + 0,1^2}{0,5 - 0,5^2}$ нинг қийматини ҳисобланг.

- A) 1 B) -1 C) -0,1 D) 10

979. 2.5-1 file-» 22 - 18 - - (57031)

a ва b нинг қандай қийматида $\frac{5}{x^2 + x - 6} = \frac{a}{x - 2} - \frac{b}{x + 3}$ тенглик айният бўлади ($x \neq 2, x \neq -3$)?

- A) $a = 1, b = 1$ B) $a = \frac{2}{5}, b = -\frac{2}{5}$
 C) $a = 5, b = -5$ D) $a = \frac{2}{5}, b = \frac{2}{5}$

980. 2.5-1 file-» 23 - 17 - - 7 (94281)

$\frac{\sqrt[4]{2\sqrt{2} + 3}}{\sqrt{\sqrt{2} + 1}}$ ни ҳисобланг.

- A) 1 B) 1,5 C) 0,5 D) $\frac{2}{3}$

981. 2.5-1 file-» 5 - 3 - - (315198)

$\frac{x^2 - 5xy}{-25y^2 + x^2}$ kasrni qisqartiring.

- A) $\frac{x}{x + 5y}$ B) $-\frac{x}{x + 5y}$ C) $\frac{x}{x - 5y}$
 D) $-\frac{x}{x - 5y}$

982. 2.5-1 file-» 5 - 4 - - (315199)

$(x^2 + xy + y^2)(x - y)$ ifodaning $x = \sqrt[3]{4}$ va $y = \sqrt[3]{2}$ bo'lgandagi qiymatini hisoblang.

- A) 6 B) -6 C) 2 D) -2

983. 2.5-1 file-» 5 - 4 - - (315200)

$\frac{x^2 + 4xy}{-16y^2 + x^2}$ kasrni qisqartiring.

- A) $\frac{x}{x + 4y}$ B) $-\frac{x}{x + 4y}$ C) $\frac{x}{x - 4y}$
 D) $\frac{y}{4y - x}$

984. 2.5-1 file-» 5 - 5 - - (315201)

$(b - c)(b^2 + bc + c^2)$ ifodaning $b = \sqrt[3]{5}$ va $c = \sqrt[3]{3}$ bo'lgandagi qiymatini hisoblang.

- A) 2 B) 8 C) -2 D) -8

985. 2.5-1 file-» 5 - 5 - - (315202)

$\frac{a^2 - 5ab}{-25b^2 + a^2}$ kasrni qisqartiring.

- A) $\frac{a}{a + 5b}$ B) $\frac{a}{a - 5b}$ C) $-\frac{a}{a + 5b}$
 D) $-\frac{a}{a - 5b}$

986. 2.5-1 file-» 22 - 2 - - (315203)

$(3a - b)^2 + (3a + b)^2$ ni soddalashtiring.

- A) $2b^2 + 18a^2$ B) $-2b^2$ C) $-12ab$
 D) $-6ab + 2b^2$

987. 2.5-1 file-» 22 - 2 - - (315204)

$(x - \frac{2 + x^2}{x - 1}) : \frac{x^2 + 4x + 4}{-x + 1}$ ni soddalashtiring.

- A) -1 B) $\frac{1}{x + 2}$ C) $\frac{x - 2}{(x + 2)^2}$
 D) $-\frac{1}{x + 2}$

988. 2.5-1 file-» 22 - 3 - - (315205)

$(1 - 3a)^2 - (1 + 3a)(3a - 1)$ ni soddalashtiring.

- A) $18a^2 - 6a$ B) $-6a + 2$ C) $-3a + 2$
 D) $9a^2 - 3a$

989. 2.5-1 file-» 22 - 3 - - (315206)

$(b^2 - \frac{4 + b^4}{b^2 + 1}) : \frac{-2 + b}{1 + b^2}$ ni soddalashtiring.

- A) 1 B) $b + 2$ C) $b - 2$ D) $\frac{1}{b + 2}$

990. 2.5-1 file-» 22 - 4 - - (315207)

$(a - 3b)^2 - (3a + b)^2$ ni soddalashtiring.

- A) $8a^2 + 12ab - 8b^2$ B) $-8a^2 + 12ab - 8b^2$
 C) $8a^2 - 12ab + 8b^2$ D) $-8a^2 - 12ab + 8b^2$

991. 2.5-1 file-» 22 - 4 - - (315208)

$(m^2 - \frac{2 + m^4}{m^2 - 1}) : \frac{m^2 + 2}{m - 1}$ ni soddalashtiring.

- A) $m - 1$ B) $\frac{1}{m - 1}$ C) $-\frac{1}{m + 1}$ D) 1

992. 2.5-1 file-» 23 - 2 - - (315209)
 1) $2a^2 - 4ab + 2b^2 = (b - a)^2 \cdot 2$
 2) $-\frac{x^3 - y^3}{x^2 + xy + y^2} = x - y$
 3) $-(a - b - c) = -a + b + c$
 4) $-\frac{a^2 - 1}{b} = \frac{a^2 - 1}{b}$. Ushbu tengliklarning qaysi biri ayniyat?
 A) 1 B) 2; 4 C) 2 **D) 1; 3**
993. 2.5-1 file-» 23 - 3 - - (315210)
 Quyida keltirilgan tengliklardan qaysi biri ayniyat?
 A) $\frac{m^3 - n^3}{m - n} = m^2 - mn + n^2$
 B) $2mn - n^2 - m^2 = (m + n)^2$
 C) $m - (m - n) - (m + n) = -m$
 D) $-\frac{m - n}{n} = \frac{-m - n}{n}$
994. 2.5-1 file-» 22 - 17 - - (315211)
 $\frac{0,05 \cdot 0,9 - 0,05}{0,2^2 - 2 \cdot 0,06 + 0,3^2}$ ning qiymatini hisoblang.
 A) 0,2 B) -2 **C) -0,5** D) 0,25
995. 2.5-1 file-» 22 - 18 - - (315212)
 $\frac{0,4^2 + 2 \cdot 0,04 + 0,1^2}{0,5 - 0,5^2}$ ning qiymatini hisoblang.
A) 1 B) -1 C) -0,1 D) 10
996. 2.5-1 file-» 22 - 18 - - (315213)
 a va b ning qanday qiymatida
 $\frac{5}{x^2 + x - 6} = \frac{a}{x - 2} - \frac{b}{x + 3}$ tenglik ayniyat bo'ladi ($x \neq 2, x \neq -3$)?
A) $a = 1, b = 1$ B) $a = \frac{2}{5}, b = -\frac{2}{5}$
 C) $a = 5, b = -5$ D) $a = \frac{2}{5}, b = \frac{2}{5}$
997. 2.5-1 file-» 23 - 17 - - 7 (315214)
 $\frac{\sqrt[4]{2\sqrt{2} + 3}}{\sqrt{\sqrt{2} + 1}}$ ni hisoblang.
A) 1 B) 1,5 C) 0,5 D) $\frac{2}{3}$
998. 2.5-2 file-» 22 - 2 - - (14222)
 $\frac{0,4^2 - 1}{2,8 \cdot 0,4 - 2,8}$ ni hisoblang.
A) $\frac{1}{2}$ B) $-\frac{1}{2}$ C) -5 D) 5
999. 2.5-2 file-» 22 - 3 - - (14281)
 $\frac{4,5^2 - 1,5^2}{0,3 \cdot 0,5 - 0,3}$ ni hisoblang.
 A) -200 **B) -120** C) 200 D) -2
1000. 2.5-2 file-» 22 - 4 - - (14340)
 $\frac{0,2^2 + 2 \cdot 0,2 \cdot 0,3 + 0,3^2}{0,5 \cdot 0,4 - 0,5 \cdot 0,8}$ ni hisoblang.
 A) -25 B) -2,5 C) -1 **D) -1,25**
1001. 2.5-2 file-» 28 - 2 - - (36684)
 Agar $x = 2,5$ va $y = -1,5$ бўлса,
 $x^3 - x^2y - xy^2 + y^3$ ni hisoblang.
 A) 10 **B) 16** C) 8 D) 25
1002. 2.5-2 file-» 28 - 2 - - (36690)
 $\frac{a^{-3} + b^{-3}}{a^2 - ab + b^2} \cdot a^3b^3 - \frac{a^2 - b^2}{a - b}$ ni soddalaştırтинг.
 A) $(a + b)^2$ **B) 0** C) ab D) $a - b$
1003. 2.5-2 file-» 12 - 1 - - (56539)
 $\frac{(5b^{1/4} + 10)(b^{3/4} - 2b^{1/2})}{4b - 16b^{1/2}}$ ni soddalaştırтинг.
A) $1\frac{1}{4}$ B) $\frac{1}{5}$ C) 1 D) 5
1004. 2.5-2 file-» 15 - 1 - - (56694)
 $\frac{(8,7^2 - 11,3^2)(13^2 - 12,6^2)}{(4,2^2 - 5,8^2)(2,3^2 - 0,3^2)}$ ni hisoblang.
 A) 32 B) 0,32 C) 3,2 **D) 6,4**
1005. 2.5-2 file-» 15 - 1 - - (56711)
 $\frac{x^4 + 1}{x^2 - x\sqrt{2} + 1}$ ni қисқартирінг.
 A) $x^2 + 1$ B) $x^2 - x\sqrt{2} - 1$
C) $x^2 + \sqrt{2}x + 1$ D) $x^2 - 1$
1006. 2.5-2 file-» 2 - 1 - - 6 (67900)
 $a = 2^5 + 2^{-5}$ ва $b = 2^5 - 2^{-5}$ бўлса, $a^2 - b^2 - 2$ нимага тенг?
 A) 0 **B) 2** C) $\frac{1}{2}$ D) $\frac{1}{4}$
1007. 2.5-2 file-» 2 - 1 - - 6 (67906)
 $\sqrt{a} - \sqrt{b} = 3$ ва $a - b = 24$ бўлса, $\sqrt{a} + \sqrt{b}$ нимага тенг?
 A) 6 B) 4 C) 5 **D) 8**
1008. 2.5-2 file-» 22 - 19 - - 4 (69930)
 $(\sqrt{7} + \sqrt{2} + 1)(\sqrt{7} - 1 - \sqrt{2})$ ni soddalaştırтинг.
 A) $4 + 2\sqrt{2}$ B) $2 - \sqrt{2}$ C) $4 - \sqrt{2}$
D) $4 - 2\sqrt{2}$
1009. 2.5-2 file-» 12 - 2 - - 7 (71829)
 $\frac{(32 - 16a^{\frac{1}{4}}) \cdot (2a^{\frac{1}{4}} + a^{\frac{1}{2}})}{8a^{\frac{1}{4}} - 2a^{\frac{3}{4}}}$ қасрни қисқартирінг.
 A) 15 B) 4 C) 7,5 **D) 8**

1010. 2.5-2 file-» 30 - 1 - - 12 (73436)
 Амалларни бажаринг:

$$\frac{9}{5 - \sqrt{7}} - \frac{22}{7 + \sqrt{5}} + \frac{1}{\sqrt{7} + \sqrt{5}}$$
 A) $\sqrt{7} - 1$ B) 6 C) $\sqrt{7} - \sqrt{5}$ D) 5
1011. 2.5-2 file-» 23 - 16 - - 1 (86911)
 Агар $a^2 - 6a + 10 + b^2 + 2b = 0$ бўлса, $(a + b)^3$ нинг қийматини топинг.
 A) 64 B) 27 C) 8 D) 25
1012. 2.5-2 file-» 23 - 17 - - 7 (94276)
 $(a^3 - 3a^2b + 3ab^2 - b^3)(a + b) : \left(ab - \frac{a^3 + b^3}{a + b}\right)$ ни соддалаштиринг.
 A) $b^2 - a^2$ B) $a^2 - b^2$ C) $(a - b)^2$
 D) $(a + b)^2$
1013. 2.5-2 file-» 29 - 1 - - 8 (98523)
 $\sqrt[6]{3 - 2\sqrt{2}} : \sqrt[3]{\sqrt{2} - 1} + 1$ ни ҳисобланг.
 A) 3 B) 2 C) 1 D) -1
1014. 2.5-2 file-» 16 - 7 - - 6 (105874)
 Агар $a = \sqrt{2}$ ва $b = \sqrt[3]{3}$ бўлса, $\sqrt{a^2 - 2ab + b^2} - \sqrt{a^2 + 2ab + b^2}$ нинг қийматини ҳисобланг.
 A) $\sqrt{8}$ B) $-\sqrt[3]{12}$ C) $-\sqrt{8}$ D) $\sqrt[3]{24}$
1015. 2.5-2 file-» 23 - 19 - - 2 (109041)
 Агар $a = 6 + \sqrt{3}$ ва $b = 6 - \sqrt{3}$ бўлса, $\frac{a^3 - b^3}{a^2 + ab + b^2}$ нинг қийматини ҳисобланг.
 A) 144 B) 198 C) 196 D) 169
1016. 2.5-2 file-» 19 - 5 - - 2 (123002)
 $\frac{3,6 \cdot (1,7^3 - 1,5^3)}{5,1^2 + 5,1 \cdot 4,5 + 4,5^2}$ ни ҳисобланг.
 A) 0,45 B) 0,08 C) 0,3 D) 0,06
1017. 2.5-2 file-» 23 - 22 - - 1 (140296)
 $\sqrt{2 + \sqrt{3}} + \sqrt{2 - \sqrt{3}}$ ни соддалаштиринг.
 A) $\sqrt{3}$ B) $\sqrt{6}$ C) $2\sqrt{2}$ D) $\sqrt{2}$
1018. 2.5-2 file-» 22 - 2 - - (315215)
 $\frac{0,4^2 - 1}{2,8 \cdot 0,4 - 2,8}$ ni hisoblang.
 A) $\frac{1}{2}$ B) $-\frac{1}{2}$ C) -5 D) 5
1019. 2.5-2 file-» 22 - 3 - - (315216)
 $\frac{4,5^2 - 1,5^2}{0,3 \cdot 0,5 - 0,3}$ ni hisoblang.
 A) -200 B) -120 C) 200 D) -2
1020. 2.5-2 file-» 22 - 4 - - (315217)
 $\frac{0,2^2 + 2 \cdot 0,2 \cdot 0,3 + 0,3^2}{0,5 \cdot 0,4 - 0,5 \cdot 0,8}$ ni hisoblang.
 A) -25 B) -2,5 C) -1 D) -1,25
1021. 2.5-2 file-» 28 - 2 - - (315218)
 Агар $x = 2,5$ ва $y = -1,5$ бо'лса, $x^3 - x^2y - xy^2 + y^3$ ni hisoblang.
 A) 10 B) 16 C) 8 D) 25
1022. 2.5-2 file-» 28 - 2 - - (315219)
 $\frac{a^{-3} + b^{-3}}{a^2 - ab + b^2} \cdot a^3b^3 - \frac{a^2 - b^2}{a - b}$ ni soddalashtiring.
 A) $(a + b)^2$ B) 0 C) ab D) $a - b$
1023. 2.5-2 file-» 12 - 1 - - (315220)
 $\frac{(5b^{1/4} + 10)(b^{3/4} - 2b^{1/2})}{4b - 16b^{1/2}}$ ni soddalashtiring.
 A) $1\frac{1}{4}$ B) $\frac{1}{5}$ C) 1 D) 5
1024. 2.5-2 file-» 15 - 1 - - (315221)
 $\frac{(8,7^2 - 11,3^2)(13^2 - 12,6^2)}{(4,2^2 - 5,8^2)(2,3^2 - 0,3^2)}$ ni hisoblang.
 A) 32 B) 0,32 C) 3,2 D) 6,4
1025. 2.5-2 file-» 15 - 1 - - (315222)
 $\frac{x^4 + 1}{x^2 - x\sqrt{2} + 1}$ ni qisqartiring.
 A) $x^2 + 1$ B) $x^2 - x\sqrt{2} - 1$
 C) $x^2 + \sqrt{2}x + 1$ D) $x^2 - 1$
1026. 2.5-2 file-» 2 - 1 - - 6 (315223)
 $a = 2^5 + 2^{-5}$ va $b = 2^5 - 2^{-5}$ bo'lsa, $a^2 - b^2 - 2$ nimaga teng?
 A) 0 B) 2 C) $\frac{1}{2}$ D) $\frac{1}{4}$
1027. 2.5-2 file-» 2 - 1 - - 6 (315224)
 $\sqrt{a} - \sqrt{b} = 3$ va $a - b = 24$ bo'lsa, $\sqrt{a} + \sqrt{b}$ nimaga teng?
 A) 6 B) 4 C) 5 D) 8
1028. 2.5-2 file-» 22 - 19 - - 4 (315225)
 $(\sqrt{7} + \sqrt{2} + 1)(\sqrt{7} - 1 - \sqrt{2})$ ni soddalashtiring.
 A) $4 + 2\sqrt{2}$ B) $2 - \sqrt{2}$ C) $4 - \sqrt{2}$
 D) $4 - 2\sqrt{2}$
1029. 2.5-2 file-» 12 - 2 - - 7 (315226)
 $\frac{(32 - 16a^{\frac{1}{4}}) \cdot (2a^{\frac{1}{4}} + a^{\frac{1}{2}})}{8a^{\frac{1}{4}} - 2a^{\frac{3}{4}}}$ kasrni qisqartiring.
 A) 15 B) 4 C) 7,5 D) 8

1030. 2.5-2 file-» 30 - 1 - - 12 (315227)
Amallarni bajaring:
$$\frac{9}{5 - \sqrt{7}} - \frac{22}{7 + \sqrt{5}} + \frac{1}{\sqrt{7} + \sqrt{5}}.$$

A) $\sqrt{7} - 1$ B) 6 C) $\sqrt{7} - \sqrt{5}$ D) 5

1031. 2.5-2 file-» 23 - 16 - - 1 (315228)
Agar $a^2 - 6a + 10 + b^2 + 2b = 0$ bo'lsa, $(a + b)^3$ ning qiymatini toping.
A) 64 B) 27 C) 8 D) 25

1032. 2.5-2 file-» 23 - 17 - - 7 (315229)
 $(a^3 - 3a^2b + 3ab^2 - b^3)(a + b) : \left(ab - \frac{a^3 + b^3}{a + b}\right)$ ni soddallashtiring.
A) $b^2 - a^2$ B) $a^2 - b^2$ C) $(a - b)^2$
D) $(a + b)^2$

1033. 2.5-2 file-» 29 - 1 - - 8 (315230)
 $\sqrt[6]{3 - 2\sqrt{2}} : \sqrt[3]{\sqrt{2} - 1} + 1$ ni hisoblang.
A) 3 B) 2 C) 1 D) -1

1034. 2.5-2 file-» 16 - 7 - - 6 (315231)
Agar $a = \sqrt{2}$ va $b = \sqrt[3]{3}$ bo'lsa, $\frac{\sqrt{a^2 - 2ab + b^2} - \sqrt{a^2 + 2ab + b^2}}{\sqrt{a^2 - 2ab + b^2} - \sqrt{a^2 + 2ab + b^2}}$ ning qiymatini hisoblang.
A) $\sqrt{8}$ B) $-\sqrt[3]{12}$ C) $-\sqrt{8}$ D) $\sqrt[3]{24}$

1035. 2.5-2 file-» 23 - 19 - - 2 (315232)
Agar $a = 6 + \sqrt{3}$ va $b = 6 - \sqrt{3}$ bo'lsa, $\frac{a^3 - b^3}{a^2 + ab + b^2} : \frac{a^3 + 3a^2b + 3ab^2 + b^3}{a^2 - b^2}$ ning qiymatini hisoblang.
A) 144 B) 198 C) 196 D) 169

1036. 2.5-2 file-» 19 - 5 - - 2 (315233)
 $\frac{3 \cdot 6 \cdot (1,7^3 - 1,5^3)}{5,1^2 + 5,1 \cdot 4,5 + 4,5^2}$ ni hisoblang.
A) 0,45 B) 0,08 C) 0,3 D) 0,06

1037. 2.5-2 file-» 23 - 22 - - 1 (315234)
 $\sqrt{2 + \sqrt{3}} + \sqrt{2 - \sqrt{3}}$ ni soddallashtiring.
A) $\sqrt{3}$ B) $\sqrt{6}$ C) $2\sqrt{2}$ D) $\sqrt{2}$

1038. 2.5-2 file-» 22 - 2 - - 1 (704190)
 $\frac{0,4^2 - 1}{2,8 \cdot 0,4 - 2,8}$ ni hisoblang.
A) $\frac{1}{2}$ B) $-\frac{1}{2}$ C) -5 D) 5

1039. 2.5-2 file-» 22 - 3 - - 1 (704191)
 $\frac{4,5^2 - 1,5^2}{0,3 \cdot 0,5 - 0,3}$ ni hisoblang.
A) -200 B) -120 C) 200 D) -2

1040. 2.5-2 file-» 22 - 4 - - 1 (704192)
 $\frac{0,2^2 + 2 \cdot 0,2 \cdot 0,3 + 0,3^2}{0,5 \cdot 0,4 - 0,5 \cdot 0,8}$ ni hisoblang.
A) -25 B) -2,5 C) -1 D) -1,25

1041. 2.5-2 file-» 28 - 2 - - 1 (704193)
Agar $x = 2,5$ va $y = -1,5$ bo'lsa, $x^3 - x^2y - xy^2 + y^3$ ni hisoblang.
A) 10 B) 16 C) 8 D) 25

1042. 2.5-2 file-» 28 - 2 - - 1 (704194)
 $\frac{a^{-3} + b^{-3}}{a^2 - ab + b^2} \cdot a^3b^3 - \frac{a^2 - b^2}{a - b}$ ni soddallashtiring.
A) $(a + b)^2$ B) 0 C) ab D) $a - b$

1043. 2.5-2 file-» 12 - 1 - - 1 (704195)
 $\frac{(5b^{1/4} + 10)(b^{3/4} - 2b^{1/2})}{4b - 16b^{1/2}}$ ni soddallashtiring.
A) $\frac{1}{4}$ B) $\frac{1}{5}$ C) 1 D) 5

1044. 2.5-2 file-» 15 - 1 - - 1 (704196)
 $\frac{(8,7^2 - 11,3^2)(13^2 - 12,6^2)}{(4,2^2 - 5,8^2)(2,3^2 - 0,3^2)}$ ni hisoblang.
A) 32 B) 0,32 C) 3,2 D) 6,4

1045. 2.5-2 file-» 15 - 1 - - 1 (704197)
 $\frac{x^4 + 1}{x^2 - x\sqrt{2} + 1}$ ni qisqartiring.
A) $x^2 + 1$ B) $x^2 - x\sqrt{2} - 1$
C) $x^2 + \sqrt{2}x + 1$ D) $x^2 - 1$

1046. 2.5-2 file-» 2 - 1 - - 1 (704198)
 $a = 2^5 + 2^{-5}$ va $b = 2^5 - 2^{-5}$ bo'lsa, $a^2 - b^2 - 2$ nimaga teng?
A) 0 B) 2 C) $\frac{1}{2}$ D) $\frac{1}{4}$

1047. 2.5-2 file-» 2 - 1 - - 1 (704199)
 $\sqrt{a} - \sqrt{b} = 3$ va $a - b = 24$ bo'lsa, $\sqrt{a} + \sqrt{b}$ nimaga teng?
A) 6 B) 4 C) 5 D) 8

1048. 2.5-2 file-» 22 - 19 - - 1 (704200)
 $(\sqrt{7} + \sqrt{2} + 1)(\sqrt{7} - 1 - \sqrt{2})$ ni soddallashtiring.
A) $4 + 2\sqrt{2}$ B) $2 - \sqrt{2}$ C) $4 - \sqrt{2}$
D) $4 - 2\sqrt{2}$

1049. 2.5-2 file-» 12 - 2 - - 1 (704201)
 $\frac{(32 - 16a^{1/4}) \cdot (2a^{1/4} + a^{1/2})}{8a^{1/4} - 2a^{3/4}}$ kasrni qisqartiring.
A) 15 B) 4 C) 7,5 D) 8

1050. 2.5-2 file-» 30 - 1 - - 1 (704202)
Amallarni bajaring:
 $\frac{9}{5 - \sqrt{7}} - \frac{22}{7 + \sqrt{5}} + \frac{1}{\sqrt{7} + \sqrt{5}}$.
A) $\sqrt{7} - 1$ B) 6 C) $\sqrt{7} - \sqrt{5}$ D) 5
1051. 2.5-2 file-» 23 - 16 - - 1 (704203)
Agar $a^2 - 6a + 10 + b^2 + 2b = 0$ bo'lsa, $(a + b)^3$ ning qiymatini toping.
A) 64 B) 27 **C) 8** D) 25
1052. 2.5-2 file-» 23 - 17 - - 1 (704204)
 $(a^3 - 3a^2b + 3ab^2 - b^3)(a + b) : \left(ab - \frac{a^3 + b^3}{a + b}\right)$
ni soddalashtiring.
A) $b^2 - a^2$ B) $a^2 - b^2$ C) $(a - b)^2$
D) $(a + b)^2$
1053. 2.5-2 file-» 6 - 3 - - 2 (719219)
 $\sqrt{11 - 2\sqrt{28}} - \sqrt{11 + 2\sqrt{28}}$ ayirmaning qiymatini toping.
A) -3 B) -6 **C) -4** D) -5
1054. 2.5-2 file-» 6 - 4 - - 2 (719220)
 $\sqrt{11 + 2\sqrt{28}} - \sqrt{11 - 2\sqrt{28}}$ ayirmaning qiymatini toping.
A) 4 B) 5 C) 6 D) 3
1055. 2.5-2 file-» 6 - 6 - - 2 (719222)
 $\sqrt{18 + 4\sqrt{8}} + \sqrt{18 - 4\sqrt{8}}$ yig'indining qiymatini toping.
A) 6 B) 4 **C) 8** D) 5
1056. 2.5-2 file-» 4 - 7 - - 2 (719223)
 $\frac{(\sqrt{m} + n)\sqrt{m - 2\sqrt{m} \cdot n + n^2}}{m - n^2} + 1$ ifodani $m = 15$ va $n = 3\sqrt{2}$ bo'lganda hisoblang.
A) 1 B) -1 C) -3 **D) 0**
1057. 2.5-2 file-» 4 - 8 - - 2 (719224)
 $\frac{(x + \sqrt{y})\sqrt{y - 2\sqrt{y}x + x^2}}{y - x^2} + 1$ ifodani $x = 2\sqrt{6}$ va $y = 23$ bo'lganda hisoblang.
A) 1 B) -1 **C) 0** D) $-\frac{1}{2}$
1058. 2.5-2 file-» 15 - 1 - - 2 (719225)
 $(\sqrt{3 - \sqrt{5}} + \sqrt{3 + \sqrt{5}})^2 \cdot 0,5^{-3}$ ni hisoblang.
A) 80 B) 90 C) 40 D) 64
1059. 2.5-2 file-» 15 - 2 - - 2 (719226)
 $\frac{(4,4^2 - 4^2) \cdot (16,7^2 - 6,7^2)}{(12^2 - 11,4^2) \cdot (6,4^2 - 3,6^2)}$ ni hisoblang.
A) 2 B) $\frac{21}{50}$ C) $1\frac{8}{21}$ D) $\frac{7}{50}$
1060. 2.5-2 file-» 15 - 2 - - 2 (719227)
 $(\sqrt[3]{9 + 4\sqrt{5}} - \sqrt[3]{\sqrt{5} + 2}) \cdot \sqrt[3]{\sqrt{5} - 2}$ ni hisoblang.
A) 2 B) 1 C) 3 **D) 0**
1061. 2.5-2 file-» 15 - 2 - - 2 (719228)
 $\frac{x^2 + x + 1}{x^4 + x^2 + 1}$ ni qisqartiring.
A) $\frac{1}{x^2 + x + 1}$ B) $\frac{1}{x^2 - 2x - 1}$
C) $\frac{1}{x^2 - x + 1}$ D) $\frac{1}{x^2 - x - 1}$
1062. 2.5-2 file-» 51 - 1 - - (719229)
 $(\sqrt[3]{64} + 2\sqrt[3]{5} + \sqrt[3]{25})(2 - \sqrt[3]{5})$ ni hisoblang.
A) $-\frac{1}{2}$ **B) 3** C) 5 D) 7
1063. 2.5-2 file-» 51 - 1 - - (719230)
 $\frac{\sqrt{x^2 - 6x + 9} + \sqrt{3 - x} + x - 3}{x - 3}$ ni soddalashtiring.
A) $\frac{\sqrt{3 - x} + 2x - 6}{x - 3}$ **B) $\frac{\sqrt{3 - x}}{x - 3}$**
C) $\frac{\sqrt{3 - x} - 2x + 6}{3 - x}$ D) $\frac{\sqrt{3 - x}}{3 - x}$
1064. 2.5-2 file-» 51 - 2 - - (719231)
 $\frac{9x^2 - y^2}{9x^2 + 6xy + y^2}$ kasrni qisqartiring.
A) $\frac{3x - y}{3x + y}$ B) $\frac{3x + y}{3x - y}$ C) $\frac{x + y}{3x + y}$
D) $\frac{x - y}{3x - y}$
1065. 2.5-3 file-» 15 - 1 - - (56712)
 $\frac{4a^2 - 12ab + 9b^2}{-2a^2 + ab + 3b^2}$ ni soddalashtiring.
A) $\frac{3a - 2b}{a + b}$ **B) $\frac{3b - 2a}{a + b}$** C) $\frac{2a - 3b}{a + b}$
D) $\frac{2a - 3b}{a - b}$
1066. 2.5-3 file-» 16 - 1 - - (56833)
 $(\sqrt{10} - \sqrt{2}) \cdot \sqrt{3 - \sqrt{5}} \cdot (3 + \sqrt{5}) - 2$ ni hisoblang.
A) 8 B) 4 C) 10 **D) 6**
1067. 2.5-3 file-» 13 - 1 - - 1 (64197)
 $\frac{\sqrt{11 + 6\sqrt{2}} - \sqrt{11 - 6\sqrt{2}}}{\sqrt{11 + 6\sqrt{2}} + \sqrt{11 - 6\sqrt{2}}}$ ni hisoblang.
A) 6 B) 22 **C) $\sqrt{8}$** D) $3\sqrt{2}$

1068. 2.5-3 file-» 23 - 15 - - 2 (64298)
 Агар $a = 8\sqrt{2}$ ва $b = 4\sqrt{2}$ бўлса,
 $\frac{a^{\frac{3}{2}} - b^{\frac{3}{2}}}{a^{\frac{1}{2}} - b^{\frac{1}{2}}} - \frac{a^{\frac{3}{2}} + b^{\frac{3}{2}}}{a^{\frac{1}{2}} + b^{\frac{1}{2}}}$ нинг қиймати нечага тенг бўлади?
A) 16 B) 6 C) 8 D) 12

1069. 2.5-3 file-» 23 - 13 - - 10 (71091)
 $\frac{\sqrt{3+2\sqrt{2}} + \sqrt{3-2\sqrt{2}} + \sqrt{2}}{4\sqrt{2}}$ ни ҳисобланг.
 A) $\frac{\sqrt{2}}{4}$ B) 0,5 C) $\frac{\sqrt{2}}{2}$ **D) 0,75**

1070. 2.5-3 file-» 23 - 13 - - 10 (71094)
 $\left(\frac{a^{\frac{3}{2}} + b^{\frac{3}{2}}}{(a^{\frac{1}{2}} + b^{\frac{1}{2}})^2} - \frac{a^{\frac{1}{2}}b^{\frac{1}{2}}}{a^{\frac{1}{2}} + b^{\frac{1}{2}}} \right) : (a - b)$ нинг $a = 0,36$ ва $b = 0,16$ бўлгандаги қийматини ҳисобланг.
 A) $-\frac{1}{4}$ **B) $\frac{1}{5}$** C) $\frac{1}{125}$ D) $-\frac{1}{5}$

1071. 2.5-3 file-» 16 - 4 - - 11 (72698)
 $\frac{729a + 1}{81\sqrt[3]{a^2 - 9a^{\frac{1}{3}} + 1}} - \frac{729a - 1}{81a^{\frac{2}{3}} + 9\sqrt[3]{a} + 1} + 4$ ни соддалаштиринг.
 A) 4 B) 5 **C) 6** D) 9

1072. 2.5-3 file-» 5 - 11 - - 5 (93383)
 $a^3 - 9a^2 + 27a - 19$ ни кўпайтувчиларга ажратинг.
A) $(a - 1)(a^2 - 8a + 19)$
 B) $(a + 1)(a^2 + 8a - 19)$
 C) $(a + 1)(a^2 + 8a + 19)$
 D) $(a - 1)(a^2 + 8a - 19)$

1073. 2.5-3 file-» 5 - 11 - - 5 (93393)
 $\frac{1}{\sqrt{2} + \sqrt{3} + \sqrt{5}}$ касрнинг махражини иррационалликдан қутқаринг.
A) $\frac{2\sqrt{3} + 3\sqrt{2} - \sqrt{30}}{12}$ B) $\frac{2\sqrt{3} - 3\sqrt{2} + \sqrt{30}}{12}$
 C) $\frac{3\sqrt{2} - 2\sqrt{3} - \sqrt{30}}{12}$ D) $\frac{3\sqrt{2} - 2\sqrt{3} + \sqrt{30}}{12}$

1074. 2.5-3 file-» 19 - 3 - - 9 (94571)
 $\sqrt{5 - 2\sqrt{6}} + \sqrt{5 + 2\sqrt{6}}$ ни ҳисобланг.
 A) $2\sqrt{2}$ B) $-4\sqrt{6}$ C) $\sqrt{2}$ **D) $2\sqrt{3}$**

1075. 2.5-3 file-» 5 - 12 - - 10 (96125)
 $\sqrt{\frac{9 + \sqrt{65}}{2}} + \sqrt{\frac{9 - \sqrt{65}}{2}}$ ни ҳисобланг.
A) $\sqrt{13}$ B) $9 - \sqrt{10}$ C) $\sqrt{5}$ D) $7 - \sqrt{2}$

1076. 2.5-3 file-» 30 - 2 - - 9 (112387)
 $\sqrt[3]{a} = \sqrt[3]{c} + \sqrt[3]{b}$ бўлса, $(a - b - c)^3$ ни топинг.
 A) $-27abc$ B) $81abc$ C) $-81a^2b^2c^2$ **D) $27abc$**

1077. 2.5-3 file-» 32 - 2 - - 11 (119864)
 $\frac{2,72^4 - 0,72^4}{3,44^2 - 2,72 \cdot 1,44}$ ни ҳисобланг.
 A) 5,68 **B) 6,88** C) 5,28 D) 6,84

1078. 2.5-3 file-» 2 - 42 - - 4 (131673)
 $\sqrt[3]{2001 \cdot 1997 - 1998 \cdot 2000 + 9}$ ни ҳисобланг.
 A) 2 B) $\sqrt[3]{13}$ C) $\sqrt[3]{17}$ **D) $\sqrt[3]{6}$**

1079. 2.5-3 file-» 32 - 3 - - 2 (139897)
 $\frac{\sqrt[3]{26 - 15\sqrt{3}} \cdot (2 - \sqrt{3})}{28 - 16\sqrt{3}}$ ни соддалаштиринг.
 A) 1 B) $\frac{1}{3}$ C) $2 - \sqrt{3}$ **D) $\frac{1}{4}$**

1080. 2.5-3 file-» 15 - 1 - - (315235)
 $\frac{4a^2 - 12ab + 9b^2}{-2a^2 + ab + 3b^2}$ ni soddalashtiring.
 A) $\frac{3a - 2b}{a + b}$ **B) $\frac{3b - 2a}{a + b}$** C) $\frac{2a - 3b}{a + b}$
 D) $\frac{2a - 3b}{a - b}$

1081. 2.5-3 file-» 16 - 1 - - (315236)
 $(\sqrt{10} - \sqrt{2}) \cdot \sqrt{3 - \sqrt{5}} \cdot (3 + \sqrt{5}) - 2$ ni hisoblang.
 A) 8 B) 4 C) 10 **D) 6**

1082. 2.5-3 file-» 13 - 1 - - 1 (315237)
 $\sqrt{11 + 6\sqrt{2}} - \sqrt{11 - 6\sqrt{2}}$ ni hisoblang.
 A) 6 B) 22 **C) $\sqrt{8}$** D) $3\sqrt{2}$

1083. 2.5-3 file-» 23 - 15 - - 2 (315238)
 Агар $a = 8\sqrt{2}$ ва $b = 4\sqrt{2}$ bo'lsa,
 $\frac{a^{\frac{3}{2}} - b^{\frac{3}{2}}}{a^{\frac{1}{2}} - b^{\frac{1}{2}}} - \frac{a^{\frac{3}{2}} + b^{\frac{3}{2}}}{a^{\frac{1}{2}} + b^{\frac{1}{2}}}$ ning qiymati nechaga teng bo'ladi?
A) 16 B) 6 C) 8 D) 12

1084. 2.5-3 file-» 23 - 13 - - 10 (315239)
 $\frac{\sqrt{3+2\sqrt{2}} + \sqrt{3-2\sqrt{2}} + \sqrt{2}}{4\sqrt{2}}$ ni hisoblang.
 A) $\frac{\sqrt{2}}{4}$ B) 0,5 C) $\frac{\sqrt{2}}{2}$ **D) 0,75**

1085. 2.5-3 file-» 23 - 13 - - 10 (315240)
 $\left(\frac{a^{\frac{3}{2}} + b^{\frac{3}{2}}}{(a^{\frac{1}{2}} + b^{\frac{1}{2}})^2} - \frac{a^{\frac{1}{2}}b^{\frac{1}{2}}}{a^{\frac{1}{2}} + b^{\frac{1}{2}}} \right) : (a - b)$ ning $a = 0,36$ va $b = 0,16$ bo'lgandagi qiymatini hisoblang.
 A) $-\frac{1}{4}$ **B) $\frac{1}{5}$** C) $\frac{1}{125}$ D) $-\frac{1}{5}$

1086. 2.5-3 file-» 16 - 4 - - 11 (315241)
 $\frac{729a + 1}{81\sqrt[3]{a^2 - 9a\frac{1}{3} + 1}} - \frac{729a - 1}{81a\frac{2}{3} + 9\sqrt[3]{a} + 1} + 4$ ni soddalashtiring.
 A) 4 B) 5 **C) 6** D) 9
1087. 2.5-3 file-» 5 - 11 - - 5 (315242)
 $a^3 - 9a^2 + 27a - 19$ ni ko'paytuvchilarga ajrating.
 A) $(a - 1)(a^2 - 8a + 19)$
 B) $(a + 1)(a^2 + 8a - 19)$
 C) $(a + 1)(a^2 + 8a + 19)$
 D) $(a - 1)(a^2 + 8a - 19)$
1088. 2.5-3 file-» 5 - 11 - - 5 (315243)
 $\frac{1}{\sqrt{2} + \sqrt{3} + \sqrt{5}}$ kasrning maxrajini irratsionallikdan qutqaring.
 A) $\frac{2\sqrt{3} + 3\sqrt{2} - \sqrt{30}}{12}$ B) $\frac{2\sqrt{3} - 3\sqrt{2} + \sqrt{30}}{12}$
 C) $\frac{3\sqrt{2} - 2\sqrt{3} - \sqrt{30}}{12}$ D) $\frac{3\sqrt{2} - 2\sqrt{3} + \sqrt{30}}{12}$
1089. 2.5-3 file-» 19 - 3 - - 9 (315244)
 $\sqrt{5 - 2\sqrt{6}} + \sqrt{5 + 2\sqrt{6}}$ ni hisoblang.
 A) $2\sqrt{2}$ B) $-4\sqrt{6}$ C) $\sqrt{2}$ **D) $2\sqrt{3}$**
1090. 2.5-3 file-» 5 - 12 - - 10 (315245)
 $\sqrt{\frac{9 + \sqrt{65}}{2}} + \sqrt{\frac{9 - \sqrt{65}}{2}}$ ni hisoblang.
 A) $\sqrt{13}$ B) $9 - \sqrt{10}$ C) $\sqrt{5}$ D) $7 - \sqrt{2}$
1091. 2.5-3 file-» 30 - 2 - - 9 (315246)
 $\sqrt[3]{a} = \sqrt[3]{c} + \sqrt[3]{b}$ bo'lsa, $(a - b - c)^3$ ni toping.
 A) $-27abc$ B) $81abc$ C) $-81a^2b^2c^2$
D) $27abc$
1092. 2.5-3 file-» 32 - 2 - - 11 (315247)
 $\frac{2,72^4 - 0,72^4}{3,44^2 - 2,72 \cdot 1,44}$ ni hisoblang.
 A) 5,68 **B) 6,88** C) 5,28 D) 6,84
1093. 2.5-3 file-» 2 - 42 - - 4 (315248)
 $\sqrt[3]{2001 \cdot 1997 - 1998 \cdot 2000 + 9}$ ni hisoblang.
 A) 2 B) $\sqrt[3]{13}$ C) $\sqrt[3]{17}$ **D) $\sqrt[3]{6}$**
1094. 2.5-3 file-» 32 - 3 - - 2 (315249)
 $\frac{\sqrt[3]{26 - 15\sqrt{3}} \cdot (2 - \sqrt{3})}{28 - 16\sqrt{3}}$ ni soddalashtiring.
 A) 1 B) $\frac{1}{3}$ C) $2 - \sqrt{3}$ **D) $\frac{1}{4}$**
1095. 2.5-3 file-» 5 - 3 - - (401726)
 m ning qanday qiymatida $x(x + 3a)(x + b)(x + 3a + b) + \frac{m^2}{4}$ ifoda to'la kvadrat bo'ladi?
 A) To'g'ri javob keltirilmagan. B) $\pm \frac{ab}{3}$
C) $4a^2b^2$ D) $\pm 3ab$
1096. 2.5-3 file-» 5 - 4 - - (401727)
 m ning qanday qiymatida $x(x + a)(x + 3b)(x + a + 3b) + \frac{9m^2}{4}$ ifoda to'la kvadrat bo'ladi?
 A) To'g'ri javob keltirilmagan. **B) $\pm ab$**
 C) $\pm \frac{3}{2}ab$ D) $\frac{4}{9}a^2b^2$
1097. 2.5-3 file-» 5 - 5 - - (401728)
 m ning qanday qiymatida $x(x + 3a)(x + b)(x + 3a + b) + \frac{9m^2}{16}$ ifoda to'la kvadrat bo'ladi?
A) $\pm 2ab$ B) $\pm \frac{ab}{2}$ C) $\frac{16}{9}a^2b^2$
 D) To'g'ri javob keltirilmagan.
1098. 2.5-3 file-» 6 - 3 - - (401729)
 $\frac{a + a\sqrt{a}}{\sqrt[3]{a^2} - \sqrt[3]{a^5} + a} - \frac{\sqrt[3]{a^2} - a}{\sqrt[3]{a} + \sqrt{a}} - 2\sqrt{a}$ ni soddalashtiring.
A) 0 B) $2\sqrt[3]{a}$ C) $2\sqrt{a}$ D) $\sqrt{a} - \sqrt[3]{a}$
1099. 2.5-3 file-» 13 - 4 - - (401730)
 m ning qanday qiymatida $x(x + a)(x + 4b)(x + a + 4b) + 100m^2$ ifoda to'la kvadrat bo'ladi?
 A) To'g'ri javob keltirilmagan. B) $\pm 5ab$
 C) $\frac{a^2b^2}{100}$ **D) $\pm \frac{ab}{5}$**
1100. 2.5-3 file-» 13 - 4 - - (401731)
 $\frac{a - a\sqrt{a}}{\sqrt[3]{a^2} + \sqrt[3]{a^5} + a} - \frac{\sqrt[3]{a^2} - a}{\sqrt[3]{a} + \sqrt{a}} - 2\sqrt[3]{a}$ ni soddalashtiring.
A) $-2\sqrt[3]{a}$ B) $-2\sqrt{a}$ C) $-\sqrt{a} - \sqrt[3]{a}$
 D) 0
1101. 2.5-3 file-» 15 - 1 - - (401732)
 m ning qanday qiymatida $x(x + 4a)(x + b)(x + 4a + b) + m^2$ ifoda to'la kvadrat bo'ladi?
 A) To'g'ri javob keltirilmagan. B) $\pm \frac{ab}{4}$
C) a^2b^2 D) $\pm 2ab$

1102. 2.5-3 file-» 15 - 2 - - (401733)
m ning qanday qiymatida
 $x(x+a)(x+2b)(x+a+2b) + m^2$ ifoda to'la kvadrat bo'ladi?
 A) *To'g'ri javob berilmagan.* B) $\pm \frac{ab}{2}$
 C) a^2b^2 D) $\pm ab$
1103. 2.5-3 file-» 16 - 2 - - (401734)
m ning qanday qiymatida
 $x(x+5a)(x+2b)(x+5a+2b) + 25m^2$ ifoda to'la kvadrat bo'ladi?
 A) *To'g'ri javob keltirilmagan.* B) $\pm ab$
 C) $\pm \frac{ab}{5}$ D) $\frac{a^2b^2}{25}$
1104. 2.5-3 file-» 17 - 1 - - (401735)
 $\sqrt{9+3\sqrt{3}-\sqrt{9-3\sqrt{3}-\sqrt{7+4\sqrt{3}}}}$ ni soddalashtiring.
 A) $2-\sqrt{3}$ B) $1+\sqrt{3}$ C) $\sqrt{3}-1$
 D) $2+\sqrt{3}$
1105. 2.5-3 file-» 17 - 1 - - (401736)
 $\frac{a-a\sqrt{a}}{\sqrt[3]{a^2}+\sqrt[6]{a^5}+a} - \frac{\sqrt[3]{a^2}-a}{\sqrt[3]{a}+\sqrt{a}} + 2\sqrt{a}$ ni soddalashtiring.
 A) $2\sqrt{a}$ B) $2\sqrt[3]{a}$ C) $a+\sqrt{a}$
 D) $\sqrt{a}+\sqrt[3]{a}$
1106. 2.5-3 file-» 17 - 1 - - (401737)
 $\frac{a+a\sqrt{a}}{\sqrt[3]{a^2}-\sqrt[6]{a^5}+a} + \frac{\sqrt[3]{a^2}-a}{\sqrt[3]{a}-\sqrt{a}} - 2\sqrt[3]{a}$ ni soddalashtiring.
 A) $2\sqrt{a}$ B) $2\sqrt[3]{a}$ C) $\sqrt{a}+\sqrt[3]{a}$ D) 0
1107. 2.5-3 file-» 17 - 1 - - (401738)
 $\frac{a+a\sqrt{a}}{\sqrt[3]{a^2}-\sqrt[6]{a^5}+a} - \frac{\sqrt[3]{a^2}-a}{\sqrt[3]{a}-\sqrt{a}} + 2\sqrt[3]{a}$ ni soddalashtiring.
 A) $2\sqrt[3]{a}$ B) $2\sqrt{a}$ C) $\sqrt{a}+\sqrt[3]{a}$ D) 0
1108. 2.5-3 file-» 19 - 1 - - 8 (401739)
 $\sqrt{5-5\sqrt{3}+\sqrt{9+3\sqrt{3}-\sqrt{7-4\sqrt{3}}}}$ ni soddalashtiring.
 A) $2+\sqrt{3}$ B) $\sqrt{3}-1$ C) $\sqrt{3}+1$
 D) $2-\sqrt{3}$
1109. 2.5-3 file-» 30 - 1 - - 12 (401740)
m ning qanday qiymatida
 $x(x+2a)(x+b)(x+2a+b) + 9m^2$ ifoda to'la kvadrat bo'ladi?
 A) $\pm 3ab$ B) $\pm \frac{ab}{3}$ C) $\pm \frac{a^2b^2}{9}$
 D) *To'g'ri javob keltirilmagan.*

1110. 2.5-4 file-» 5 - 3 - - 2 (704205)
m ning qanday qiymatida
 $x(x+3a)(x+b)(x+3a+b) + \frac{m^2}{4}$ ifoda to'la kvadrat bo'ladi?
 A) *To'g'ri javob keltirilmagan.* B) $\pm \frac{ab}{3}$
 C) $4a^2b^2$ D) $\pm 3ab$
1111. 2.5-4 file-» 5 - 4 - - 2 (704206)
m ning qanday qiymatida
 $x(x+a)(x+3b)(x+a+3b) + \frac{9m^2}{4}$ ifoda to'la kvadrat bo'ladi?
 A) *To'g'ri javob keltirilmagan.* B) $\pm ab$
 C) $\pm \frac{3}{2}ab$ D) $\frac{4}{9}a^2b^2$
1112. 2.5-4 file-» 5 - 5 - - 2 (704207)
m ning qanday qiymatida
 $x(x+3a)(x+b)(x+3a+b) + \frac{9m^2}{16}$ ifoda to'la kvadrat bo'ladi?
 A) $\pm 2ab$ B) $\pm \frac{ab}{2}$ C) $\frac{16}{9}a^2b^2$
 D) *To'g'ri javob keltirilmagan.*
1113. 2.5-4 file-» 6 - 4 - - 2 (704208)
 $\sqrt{15+9\sqrt{3}-\sqrt{2-4\sqrt{3}+2\sqrt{4+2\sqrt{3}}}}$ ni soddalashtiring.
 A) $2\sqrt{3}+2$ B) $2\sqrt{3}-2$ C) $2\sqrt{3}+1$
 D) $2\sqrt{3}-1$
1114. 2.5-4 file-» 22 - 15 - - 2 (704209)
 $\sqrt{8-3\sqrt{2}-\sqrt{4+5\sqrt{2}+\sqrt{6-4\sqrt{2}}}}$ ni hisoblang.
 A) $\sqrt{2}-1$ B) $2-\sqrt{2}$ C) $2+\sqrt{2}$
 D) $3-\sqrt{2}$
1115. 2.5-4 file-» 28 - 1 - - 2 (704210)
 $(x-2y)^3 - (3z-2y)^3 - (x-3z)^3$ ko'phadni ko'paytuvchilarga ajrating.
 A) *Ko'paytuvchilarga ajralmaydi.*
 B) $3(x-3z)(x-2y)(3z-2y)$
 C) $6(x-3z)(x-2y)(3z-2y)$
 D) $-3(x-2y)(3z-2y)(x-3z)$
1116. 2.5-4 file-» 28 - 2 - - 2 (704211)
 $(3z-x)^3 + (x-2y)^3 - (3z-2y)^3$ ko'phadni ko'paytuvchilarga ajrating.
 A) $-3(3z-2y)(3z-x)(x-2y)$
 B) $-6(3z-2y)(3z-x)(x-2y)$
 C) $3(3z-x)(x-2y)(3z-2y)$
 D) *Ko'paytuvchilarga ajralmaydi.*

1117. 2.5-4 file-» 28 - 2 - - 2 (704212)
 $(2y - 3z)^3 - (x - 3z)^3 - (2y - x)^3$ ko'phadni ko'paytuvchilarga ajrating.
 A) Ko'paytuvchilarga ajralmaydi.
 B) $\frac{3(2y - x)(2y - 3z)(x - 3z)}{6(2y - x)(2y - 3z)(x - 3z)}$
 C) $\frac{6(2y - x)(2y - 3z)(x - 3z)}{-3(2y - 3z)(x - 3z)(2y - x)}$
 D) $\frac{-3(2y - 3z)(x - 3z)(2y - x)}{6(2y - x)(2y - 3z)(x - 3z)}$
1118. 2.5-4 file-» 13 - 3 - - 2 (704213)
 $(3z - x)^3 - (2y - x)^3 - (3z - 2y)^3$ ko'phadni ko'paytuvchilarga ajrating.
 A) Ko'paytuvchilarga ajralmaydi.
 B) $\frac{3(3z - 2y)(3z - x)(2y - x)}{6(3z - 2y)(3z - x)(2y - x)}$
 C) $\frac{6(3z - 2y)(3z - x)(2y - x)}{-3(3z - x)(2y - x)(3z - 2y)}$
 D) $\frac{-3(3z - x)(2y - x)(3z - 2y)}{6(3z - 2y)(3z - x)(2y - x)}$
1119. 2.5-4 file-» 13 - 4 - - 2 (704214)
 $\sqrt{\sqrt{15 - 9\sqrt{3}} + \sqrt{2 + 4\sqrt{3}} - 2\sqrt{4 - 2\sqrt{3}}}$ ni soddalashtiring.
 A) $2\sqrt{3} - 2$ B) $2\sqrt{3} + 2$ C) $2\sqrt{3} - 1$
 D) $2\sqrt{3} + 1$
1120. 2.5-4 file-» 15 - 1 - - 2 (704215)
 m ning qanday qiymatida $x(x + 4a)(x + b)(x + 4a + b) + m^2$ ifoda to'la kvadrat bo'ladi?
 A) To'g'ri javob keltirilmagan. B) $\pm \frac{ab}{4}$
 C) a^2b^2 D) $\pm 2ab$
1121. 2.5-4 file-» 15 - 1 - - 2 (704216)
 $\sqrt{\sqrt{8 + 3\sqrt{2}} - \sqrt{8 - 3\sqrt{2}} - \sqrt{6 + 4\sqrt{2}}}$ ni hisoblang.
 A) $1 + \sqrt{2}$ B) $\sqrt{2} - 1$ C) $2 - \sqrt{2}$
 D) $2 + \sqrt{2}$
1122. 2.5-4 file-» 15 - 2 - - 2 (704217)
 $(3x - 2y)^3 + (2y - z)^3 - (3x - z)^3$ ko'phadni ko'paytuvchilarga ajrating.
 A) Ko'paytuvchilarga ajralmaydi.
 B) $\frac{-3(3x - z)(3x - 2y)(2y - z)}{-6(3x - z)(3x - 2y)(2y - z)}$
 C) $\frac{-6(3x - z)(3x - 2y)(2y - z)}{3(3x - 2y)(2y - z)(3x - z)}$
 D) $\frac{3(3x - 2y)(2y - z)(3x - z)}{-6(3x - z)(3x - 2y)(2y - z)}$
1123. 2.5-4 file-» 16 - 2 - - 2 (704218)
 m ning qanday qiymatida $x(x + 5a)(x + 2b)(x + 5a + 2b) + 25m^2$ ifoda to'la kvadrat bo'ladi?
 A) To'g'ri javob keltirilmagan. B) $\pm ab$
 C) $\pm \frac{ab}{5}$ D) $\frac{a^2b^2}{25}$
1124. 2.6-1 file-» 50 - 18 - - (704219)
 a ning qanday qiymatlarida $2x - y = 11$ va $x - ay = 18$ to'g'ri chiziqlar kesishadi?
 A) $a \neq \frac{1}{2}$ B) $a = \frac{18}{11}$ C) $a \neq \frac{18}{11}$
 D) $a = \frac{1}{2}$
1125. 2.6-1 file-» 50 - 18 - - (704220)
 a ning qanday qiymatlarida $2x - 3y = 6$ va $ax - 6y = 8$ to'g'ri chiziqlar kesishadi?
 A) $a = \frac{8}{3}$ B) $a \neq 4$ C) $a \neq \frac{8}{3}$ D) $a = 4$
1126. 2.6-1 file-» 50 - 18 - - (704221)
 a ning qanday qiymatlarida $5x + ay = 15$ va $10x - 6y = 5$ to'g'ri chiziqlar kesishadi?
 A) $a = -3$ B) $a \neq -18$ C) $a \neq -3$
 D) $a = -18$
1127. 2.6-1 file-» 50 - 18 - - (704222)
 a ning qanday qiymatlarida $4x + 2y = 5$ va $2x - ay = 1$ to'g'ri chiziqlar kesishadi?
 A) $a = -1$ B) $a \neq -\frac{2}{5}$ C) $a = -\frac{2}{5}$
 D) $a \neq -1$
1128. 2.6-1 file-» 50 - 18 - - (704223)
 a va b ning qanday qiymatlarida $\begin{cases} ax - 9y = 4, \\ 4x - 6y = b \end{cases}$ tenglamalar sistemasi yechimga ega emas?
 A) $a = 6; b \neq \frac{8}{3}$ B) $a \neq 6; b = \frac{8}{3}$
 C) $a = 6; b = \frac{8}{3}$ D) $a \neq 6; b \neq \frac{8}{3}$
1129. 2.6-1 file-» 50 - 18 - - (704224)
 a va b ning qanday qiymatlarida $\begin{cases} 4x - ay = 12, \\ 6x - 15y = b \end{cases}$ tenglamalar sistemasi yechimga ega emas?
 A) $a \neq 10, b = 18$ B) $a = 10, b \neq 18$
 C) $a = 10, b = 18$ D) $a \neq 10, b \neq 18$
1130. 2.6-1 file-» 50 - 18 - - (704225)
 a va b ning qanday qiymatlarida $\begin{cases} ax - 5y = 4, \\ 3x - 2,5y = b \end{cases}$ tenglamalar sistemasi yechimga ega emas?
 A) $a \neq 6; b = 2$ B) $a = 6; b = 2$
 C) $a = 6; b \neq 2$ D) $a \neq 6; b \neq 2$
1131. 2.6-1 file-» 50 - 18 - - (704226)
 a va b ning qanday qiymatlarida $\begin{cases} 3x - ay = 15, \\ 4,5x - 6y = b \end{cases}$ tenglamalar sistemasi yechimga ega emas?
 A) $a \neq 4; b = 22,5$ B) $a = 4; b = 22,5$
 C) $a \neq 4; b \neq 22,5$ D) $a = 4; b \neq 22,5$

1132. 2.6-1 file-» 50 - 18 - - (704227)
 a va b ning qanday qiymatlarida $\begin{cases} 2x - 3y = b, \\ ax - 4, 5y = 6 \end{cases}$ tenglamalar sistemasi cheksiz ko'p yechimga ega?
A) $a = 3; b = 4$ **B)** $a \neq 3; b = 4$
C) $a = 3; b \neq 4$ **D)** $a = -3; b = 4$
1133. 2.6-1 file-» 50 - 18 - - (704228)
 a va b ning qanday qiymatlarida $\begin{cases} ax - 6y = 7, \\ 3x - by = 10, 5 \end{cases}$ tenglamalar sistemasi cheksiz ko'p yechimga ega?
A) $a \neq 2; b = 9$ **B)** $a = 2; b = 9$
C) $a = 2; b \neq 9$ **D)** $a = -2; b = 9$
1134. 2.6-1 file-» 50 - 18 - - (704229)
 a va b ning qanday qiymatlarida $\begin{cases} 2x - ay = 4, \\ 3x - 4, 5y = b \end{cases}$ tenglamalar sistemasi cheksiz ko'p yechimga ega?
A) $a \neq 3; b = 6$ **B)** $a = 3; b \neq 6$
C) $a = 3; b = 6$ **D)** $a = -3; b = 6$
1135. 2.6-1 file-» 50 - 18 - - (704230)
 a va b ning qanday qiymatlarida $\begin{cases} 4x - ay = 8, \\ 5x + 2, 5y = b \end{cases}$ tenglamalar sistemasi cheksiz ko'p yechimga ega?
A) $a \neq -2; b = 10$ **B)** $a = -2; b \neq 10$
C) $a = -2; b = -10$ **D)** $a = -2; b = 10$
1136. 2.6-1 file-» 50 - 18 - - (704231)
 x ning qanday qiymatlarida $|x^2 - 64| = 64 - x^2$ tenglik o'rinli bo'ladi?
A) $x \leq -8$ **B)** $-8 \leq x \leq 8$ **C)** $x \geq 8$
D) $x \leq 8$
1137. 2.6-1 file-» 50 - 18 - - (704232)
 x ning qanday qiymatlarida $|x^2 - 81| = 81 - x^2$ tenglik o'rinli bo'ladi?
A) $x \geq -9$ **B)** $x \leq 9$ **C)** $x \geq 9$
D) $-9 \leq x \leq 9$
1138. 2.6-1 file-» 50 - 18 - - (704233)
 x ning qanday qiymatlarida $|x^2 - 121| = 121 - x^2$ tenglik o'rinli bo'ladi?
A) $-11 \leq x \leq 11$ **B)** $x \leq -11$ **C)** $x \geq 11$
D) $x \geq -11$
1139. 2.6-1 file-» 22 - 2 - - 2 (719232)
 m ning qanday qiymatlarida $(m^2 - 1)y + 1 = m$ tenglama yechimga ega bo'lmaydi?
A) $m = 1$ **B)** $m = 0$ **C)** $m = -1$
D) $m = 2$
1140. 2.6-1 file-» 22 - 2 - - 2 (719233)
 $(x; y)$ sonlar jufti $\begin{cases} 2x - y = 5 \\ 3x + 2y = 4 \end{cases}$ sistemaning yechimi bo'lsa, $y - x$ ni toping.
A) -3 **B)** -1 **C)** 3 **D)** 0
1141. 2.6-1 file-» 22 - 3 - - 2 (719234)
 n ning qanday qiymatlarida $nx + 2 = n + 2x$ tenglama cheksiz ko'p yechimga ega bo'ladi?
A) $n = 0$ **B)** $n = 1$ **C)** $n = 2$ **D)** $n \neq 1$
1142. 2.6-1 file-» 22 - 4 - - 2 (719235)
 a ning qanday qiymatlarida $ax = 3x + 1$ tenglama yechimga ega bo'lmaydi?
A) $a \neq 1$ **B)** $a = 2$ **C)** $a \neq 2$ **D)** $a = 3$
1143. 2.6-1 file-» 22 - 11 - - 2 (719236)
 $(x + 4\frac{2}{9}) : 4\frac{1}{6} = 6$ tenglamani yeching.
A) $22\frac{2}{9}$ **B)** $21\frac{7}{9}$ **C)** $22\frac{1}{3}$ **D)** $20\frac{7}{9}$
1144. 2.6-1 file-» 22 - 11 - - 2 (719237)
Agar $(x - 5)(\frac{1}{5}x - 4) = 0$ bo'lsa, $\frac{1}{5}x - 4$ qanday qiymatlar qabul qiladi?
A) faqat 0 **B)** faqat -3 **C)** 0 yoki -3
D) 0 yoki 3
1145. 2.6-1 file-» 22 - 12 - - 2 (719238)
 $(2\frac{19}{22} + x) : 4\frac{1}{5} = 5$ tenglamani yeching.
A) $17\frac{19}{22}$ **B)** $18\frac{3}{22}$ **C)** $17\frac{3}{22}$ **D)** 21
1146. 2.6-1 file-» 22 - 12 - - 2 (719239)
 $(8x + 1) \cdot (x - \frac{1}{4}) = 0$ bo'lsa, $8x + 1$ qanday qiymatlar qabul qilishi mumkin?
A) faqat $-\frac{1}{8}$ **B)** faqat $\frac{1}{4}$ **C)** faqat 0
D) 0 yoki 3
1147. 2.6-1 file-» 22 - 1 - - 2 (719240)
 $(x + 3\frac{22}{25}) : 7\frac{1}{3} = 3$ tenglamani yeching.
A) $20\frac{22}{25}$ **B)** $19\frac{22}{25}$ **C)** $19\frac{3}{25}$ **D)** $18\frac{3}{25}$
1148. 2.6-1 file-» 22 - 1 - - 2 (719241)
 $(2x - 1)(x - 1, 5) = 0$ bo'lsa, $2x - 1$ qanday qiymatlar qabul qiladi?
A) 2 yoki 0 **B)** faqat $-\frac{1}{2}$ **C)** 0 yoki $-\frac{1}{2}$
D) 0 yoki 1, 5
1149. 2.6-1 file-» 22 - 17 - - 2 (719242)
 m ning qanday qiymatlarida $|3 - m| = m - 3$ tenglik o'rinli bo'ladi?
A) $m \geq 3$ **B)** $m \in R$ **C)** $m = 3$
D) $m > 3$

1150. 2.6-1 file-» 22 - 18 - - 2 (719243)
 a ning qanday qiymatlarida $|a + 4| = -a - 4$ tenglik o'rinli bo'ladi?
 A) $a = -4$ B) $a \in \phi$ C) $a < -4$
D) $a \leq -4$
1151. 2.6-1 file-» 2 - 41 - - 2 (719244)
 m ning qanday qiymatida $\frac{6x - m}{2} = \frac{7mx - 1}{3}$ tenglamaning ildizi nolga teng bo'ladi?
 A) $-\frac{2}{3}$ B) $\frac{4}{5}$ C) $-\frac{3}{2}$ D) $\frac{2}{3}$
1152. 2.6-1 file-» 16 - 12 - - 2 (719245)
 k parametrning qanday qiymatlarida

$$\begin{cases} kx - 3y = 6 \\ 3x - y = 4 \end{cases}$$
 tenglamalar sistemasi yechimga ega emas?
A) 9 B) 2 C) 3 D) 6
1153. 2.6-1 file-» 22 - 25 - - 2 (719246)
 $12\frac{1}{2} : 2\frac{1}{2} = 16\frac{2}{3} : \frac{y}{2}$ tenglamani yeching.
 A) $6\frac{1}{3}$ B) $6\frac{2}{3}$ C) $4\frac{1}{6}$ D) $6\frac{5}{6}$
1154. 2.6-1 file-» 51 - 1 - - (719247)
 $x : 0,75 = 2\frac{3}{8} : 3\frac{9}{16}$ proporsiyaning noma'lum hadini toping.
 A) $\frac{1}{4}$ B) 2 C) $\frac{1}{2}$ D) 4
1155. 2.6-1 file-» 51 - 2 - - (719248)
 Agar $(3x - 1) \cdot (x - 2) = 0$ bo'lsa, $3x - 1$ ning qiymati quyidagilardan qaysi biriga teng bo'ladi?
 A) faqat $\frac{1}{3}$ B) faqat 0 C) $\frac{1}{3}$ yoki 2
D) 0 yoki 5
1156. 2.6-1 file-» 51 - 2 - - (719249)
 a va b ning qanday qiymatlarida $(3; 1)$ sonlar

$$\begin{cases} ax + by = 13 \\ ax - by = -1 \end{cases}$$
 tenglamalar sistemasining yechimi bo'ladi?
A) (2; 7) B) (2; 6) C) (7; 2) D) (6; 2)
1157. 2.6-2 file-» 22 - 3 - - (14277)
 Ikki sonning ayirmasi 5 ga teng. Agar shu sonlardan kattasining 20% i kichigining $\frac{7}{30}$ qismiga teng бўлса, шу сонларни топинг.
A) 30 ва 35 B) 36 ва 41 C) 45 ва 50
D) 63 ва 68
1158. 2.6-2 file-» 22 - 4 - - (14336)
 Ikki sonning йиғиндиси 24 га тенг. Agar shu sonlardan birining 60% i ikkinchisining $\frac{3}{10}$ qismiga teng бўлса, шу сонларни топинг.
 A) 18 ва 6 B) 20 ва 4 C) 7 ва 17
D) 8 ва 16
1159. 2.6-2 file-» 22 - 11 - - (36177)
 Велосипедчи бутун йўлнинг 0,6 қисмини ўтгач, қолган йўл, у босиб ўтган йўлдан 8 км га камлиги маълум бўлди. Бутун йўлнинг узунлигини (км) топинг.
A) 40 B) 24 C) 20 D) 36, 6
1160. 2.6-2 file-» 22 - 12 - - (36237)
 Турист бутун йўлнинг 0,85 қисмини ўтганда, кўзланган манзилгача 9,66 км қолгани маълум бўлди. Бутун йўлнинг узунлиги неча км?
 A) 52 B) 44 C) 36, 6 D) 64, 4
1161. 2.6-2 file-» 22 - 13 - - (36303)
 a ning қандай қийматларида $ax - 2a = 3$ тенглама бирдан кичик илдизга эга бўлади?
 A) $(-2; 0)$ B) $(-3; 0)$ C) $(0; 1)$ D) $[1; 2]$
1162. 2.6-2 file-» 22 - 14 - - (36352)
 k ning қандай қийматларида $k(x + 1) = 4$ тенгламанинг илдизи мусбат бўлади?
 A) $(0; \infty)$ B) $(0; 4)$ C) $(-4; 0)$ D) $(4; \infty)$
1163. 2.6-2 file-» 22 - 15 - - (36402)
 b ning қандай қийматларида $b(2 - x) = 8$ тенгламанинг илдизи манфий бўлади?
 A) $(-\infty; 0)$ B) $(0; 4)$ C) $(-4; 0)$
 D) $[4; \infty)$
1164. 2.6-2 file-» 22 - 1 - - (36738)
 Велосипедчи бир соатда бутун йўлнинг 0,65 қисмини ўтди, бу эса йўлнинг ярмидан 9,75 км кўп. Бутун йўлнинг узунлигини (км) топинг.
 A) 47, 5 B) 62, 5 C) 50 D) 65
1165. 2.6-2 file-» 22 - 1 - - (36750)
 a ning қандай қийматларида $ax - 3 = a + 4x$ тенгламанинг ечими бўлмайди?
A) $a = 4$ B) $a = 2$ C) $a = -1$ D) $a = -2$
1166. 2.6-2 file-» 15 - 1 - - (56714)
 $2,5(ax - 5, 2) = 2a - 5x - 9$ тенглама a ning қандай қийматларида ягона ечимга эга?
 A) $(-\infty; -\frac{1}{2}) \cup (-\frac{1}{2}; \infty)$ B) $-\frac{1}{2}$ C) $\frac{1}{5}$
D) $(-\infty; -2) \cup (-2; \infty)$

1167. 2.6-2 file-» 15 - 2 - - (56771)
 $2,5(ax - 5, 2) = 2a - 5x - 9$ тенглама a нинг қандай қийматларида чексиз кўп ечимга эга?
 A) $-\frac{1}{2}$ B) 2 C) $\frac{1}{2}$ **D) -2**
1168. 2.6-2 file-» 22 - 17 - - (56964)
 Бир сон иккинчи сондан 6 та ортиқ. Уларнинг ўрта арифметиғи 23 га тенг. Шу сонлардан каттасини топинг.
 A) 23 B) 27 C) 33 **D) 26**
1169. 2.6-2 file-» 22 - 17 - - (56972)
 m нинг қандай қийматларида $m(mx - 1) = 16x + 4$ тенглама чексиз кўп илдизга эга?
 A) $m = 0$ B) $m = 3$ **C) $m = -4$**
 D) $m = -1$
1170. 2.6-2 file-» 22 - 18 - - (57024)
 Бир сон иккинчисидан 15 га кичик. Бу сонларнинг ўрта арифметиғи 13,5 га тенг. Шу сонлардан кичигини топинг.
 A) 3 **B) 6** C) 4 D) 7
1171. 2.6-2 file-» 22 - 18 - - (57032)
 n нинг қандай қийматида $n^2(y - 1) = 4y - 2n$ тенгламанинг илдизи йўқ?
A) $n = -2$ B) $n = 1$ C) $n = -1$ D) $n = 2$
1172. 2.6-2 file-» 23 - 11 - - 9 (70976)
 k нинг қандай қийматида $\begin{cases} 3x + 6y = k, \\ 9x + 18y = k + 1\frac{1}{3} \end{cases}$
 тенгламалар системаси чексиз кўп ечимга эга?
 A) $\frac{1}{3}$ B) 1 C) $\frac{1}{2}$ **D) $\frac{2}{3}$**
1173. 2.6-2 file-» 22 - 21 - - 4 (105935)
 a нинг қандай қийматларида $a(3x - a) = 12x - 16$ тенглама битта мусбат ечимга эга?
 A) $(-4; 4)$ B) $(-4; \infty)$ **C) $(-4; 4) \cup (4; \infty)$**
 D) $(4; \infty)$
1174. 2.6-2 file-» 5 - 13 - - 9 (115028)
 $\begin{cases} ax + by = 6 \\ bx + ay = 4 \end{cases}$ тенгламалар системаси $x = 3$,
 $y = 2$ ечимга эга бўлса, a нинг қийматини топинг.
 A) 4 B) 5 C) 3 **D) 2**
1175. 2.6-2 file-» 22 - 23 - - 6 (134306)
 t нинг қандай қийматларида $3x + 2 = 2(x - t)$ тенглама мусбат илдизга эга?
 A) $t > -2$ B) $t < 2$ C) $t \leq 1$ **D) $t < -1$**
1176. 2.6-2 file-» 19 - 6 - - 8 (136388)
 a нинг қандай қийматларида $3x + 2y = 3$ ва $3x - 2ay = 5$ тўғри чиқиқларнинг кесишиш нуқтаси мусбат ординатага эга?
 A) $a < 2$ B) $a = 2$ C) $a > 2$ **D) $a < -1$**
1177. 2.6-2 file-» 22 - 3 - - (315250)
 Ikki sonning ayirmasi 5 ga teng. Agar shu sonlardan kattasining 20% i kichigining $\frac{7}{30}$ qismiga teng bo'lsa, shu sonlarni toping.
A) 30 va 35 B) 36 va 41 C) 45 va 50
 D) 63 va 68
1178. 2.6-2 file-» 22 - 4 - - (315251)
 Ikki sonning yig'indisi 24 ga teng. Agar shu sonlardan birining 60% i ikkinchisining $\frac{3}{10}$ qismiga teng bo'lsa, shu sonlarni toping.
 A) 18 va 6 B) 20 va 4 C) 7 va 17
D) 8 va 16
1179. 2.6-2 file-» 22 - 11 - - (315252)
 Velosipedchi butun yo'lining 0,6 qismini o'tgach, qolgan yo'l, u bosib o'tgan yo'ldan 8 km ga kamligi ma'lum bo'ldi. Butun yo'lining uzunligini (km) toping.
A) 40 B) 24 C) 20 D) 36,6
1180. 2.6-2 file-» 22 - 12 - - (315253)
 Turist butun yo'lining 0,85 qismini o'tganda, ko'zlangan manzilgacha 9,66 km qolgani ma'lum bo'ldi. Butun yo'lining uzunligi necha km?
 A) 52 B) 44 C) 36,6 **D) 64,4**
1181. 2.6-2 file-» 22 - 13 - - (315254)
 a ning qanday qiymatlarida $ax - 2a = 3$ tenglama birdan kichik ildizga ega bo'ladi?
 A) $(-2; 0)$ **B) $(-3; 0)$** C) $(0; 1)$
 D) $[1; 2]$
1182. 2.6-2 file-» 22 - 14 - - (315255)
 k ning qanday qiymatlarida $k(x + 1) = 4$ tenglamaning ildizi musbat bo'ladi?
 A) $(0; \infty)$ **B) $(0; 4)$** C) $(-4; 0)$
 D) $(4; \infty)$
1183. 2.6-2 file-» 22 - 15 - - (315256)
 b ning qanday qiymatlarida $b(2 - x) = 8$ tenglamaning ildizi manfiy bo'ladi?
 A) $(-\infty; 0)$ **B) $(0; 4)$** C) $(-4; 0)$
 D) $[4; \infty)$
1184. 2.6-2 file-» 22 - 1 - - (315257)
 Velosipedchi bir soatda butun yo'lining 0,65 qismini o'tdi, bu esa yo'lining yarmidan 9,75 km ko'p. Butun yo'lining uzunligini (km) toping.
 A) 47,5 B) 62,5 C) 50 **D) 65**

1185. 2.6-2 file-» 22 - 1 - - (315258)
 a ning qanday qiymatlarida $ax - 3 = a + 4x$ tenglamaning yechimi bo'lmaydi?
A) $a = 4$ **B)** $a = 2$ **C)** $a = -1$
D) $a = -2$
1186. 2.6-2 file-» 15 - 1 - - (315259)
 $2,5(ax - 5, 2) = 2a - 5x - 9$ tenglama a ning qanday qiymatlarida yagona yechimga ega?
A) $(-\infty; -\frac{1}{2}) \cup (-\frac{1}{2}; \infty)$ **B)** $-\frac{1}{2}$ **C)** $\frac{1}{5}$
D) $(-\infty; -2) \cup (-2; \infty)$
1187. 2.6-2 file-» 15 - 2 - - (315260)
 $2,5(ax - 5, 2) = 2a - 5x - 9$ tenglama a ning qanday qiymatlarida cheksiz ko'p yechimga ega?
A) $-\frac{1}{2}$ **B)** 2 **C)** $\frac{1}{2}$ **D)** -2
1188. 2.6-2 file-» 22 - 17 - - (315261)
 Bir son ikkinchi sondan 6 ta ortiq. Ularning o'rta arifmetigi 23 ga teng. Shu sonlardan kattasini toping.
A) 23 **B)** 27 **C)** 33 **D)** 26
1189. 2.6-2 file-» 22 - 17 - - (315262)
 m ning qanday qiymatlarida $m(mx - 1) = 16x + 4$ tenglama cheksiz ko'p ildizga ega?
A) $m = 0$ **B)** $m = 3$ **C)** $m = -4$
D) $m = -1$
1190. 2.6-2 file-» 22 - 18 - - (315263)
 Bir son ikkinchisidan 15 ga kichik. Bu sonlarning o'rta arifmetigi 13,5 ga teng. Shu sonlardan kichigini toping.
A) 3 **B)** 6 **C)** 4 **D)** 7
1191. 2.6-2 file-» 22 - 18 - - (315264)
 n ning qanday qiymatida $n^2(y - 1) = 4y - 2n$ tenglamaning ildizi yo'q?
A) $n = -2$ **B)** $n = 1$ **C)** $n = -1$
D) $n = 2$
1192. 2.6-2 file-» 23 - 11 - - 9 (315265)
 k ning qanday qiymatida $\begin{cases} 3x + 6y = k, \\ 9x + 18y = k + 1\frac{1}{3} \end{cases}$ tenglamalar sistemasi cheksiz ko'p yechimga ega?
A) $\frac{1}{3}$ **B)** 1 **C)** $\frac{1}{2}$ **D)** $\frac{2}{3}$
1193. 2.6-2 file-» 22 - 21 - - 4 (315266)
 a ning qanday qiymatlarida $a(3x - a) = 12x - 16$ tenglama bitta musbat yechimga ega?
A) $(-4; 4)$ **B)** $(-4; \infty)$ **C)** $(-4; 4) \cup (4; \infty)$
D) $(4; \infty)$
1194. 2.6-2 file-» 5 - 13 - - 9 (315267)
 $\begin{cases} ax + by = 6 \\ bx + ay = 4 \end{cases}$ tenglamalar sistemasi $x = 3, y = 2$ yechimga ega bo'lsa, a ning qiymatini toping.
A) 4 **B)** 5 **C)** 3 **D)** 2
1195. 2.6-2 file-» 22 - 23 - - 6 (315268)
 t ning qanday qiymatlarida $3x + 2 = 2(x - t)$ tenglama musbat ildizga ega?
A) $t > -2$ **B)** $t < 2$ **C)** $t \leq 1$ **D)** $t < -1$
1196. 2.6-2 file-» 19 - 6 - - 8 (315269)
 a ning qanday qiymatlarida $3x + 2y = 3$ va $3x - 2ay = 5$ to'g'ri chiziqning kesishish nuqtasi musbat ordinataga ega?
A) $a < 2$ **B)** $a = 2$ **C)** $a > 2$ **D)** $a < -1$
1197. 2.6-2 file-» 50 - 111 - - (401741)
 p ning qanday qiymatlarida $3x - 5p = 3$ tenglama musbat ildizga ega?
A) $\frac{-3}{5} < p$ **B)** $\frac{3}{5} < p$ **C)** $p < \frac{-3}{5}$
D) $p < \frac{3}{5}$
1198. 2.6-2 file-» 50 - 111 - - (401742)
 p ning qanday qiymatlarida $5x - 4p = 3$ tenglama musbat ildizga ega?
A) $\frac{-3}{4} < p$ **B)** $\frac{3}{4} < p$ **C)** $p < \frac{-3}{4}$
D) $p < \frac{3}{4}$
1199. 2.6-2 file-» 50 - 111 - - (401743)
 p ning qanday qiymatlarida $4x - 7p = 4$ tenglama musbat ildizga ega?
A) $\frac{-4}{7} < p$ **B)** $\frac{4}{7} < p$ **C)** $p < \frac{-4}{7}$
D) $p < \frac{4}{7}$
1200. 2.6-2 file-» 50 - 111 - - (401744)
 p ning qanday qiymatlarida $6x - 8p = 7$ tenglama musbat ildizga ega?
A) $\frac{-7}{8} < p$ **B)** $\frac{7}{8} < p$ **C)** $p < \frac{-7}{8}$
D) $p < \frac{7}{8}$
1201. 2.6-2 file-» 50 - 111 - - (401745)
 p ning qanday qiymatlarida $7x - 6p = 5$ tenglama musbat ildizga ega?
A) $\frac{-5}{6} < p$ **B)** $\frac{5}{6} < p$ **C)** $p < \frac{-5}{6}$
D) $p < \frac{5}{6}$

1202. 2.6-2 file-» 50 - 111 - - (401746)
 p ning qanday qiymatlarida $3x + 5p = 3$ tenglama musbat ildizga ega?
 A) $\frac{3}{5} < p$ B) $\frac{-3}{5} < p$ C) $p < \frac{3}{5}$
 D) $p < \frac{-3}{5}$
1203. 2.6-2 file-» 50 - 111 - - (401747)
 p ning qanday qiymatlarida $5x + 4p = 3$ tenglama musbat ildizga ega?
 A) $\frac{3}{4} < p$ B) $\frac{-3}{4} < p$ C) $p < \frac{3}{4}$
 D) $p < \frac{-3}{4}$
1204. 2.6-2 file-» 50 - 111 - - (401748)
 p ning qanday qiymatlarida $4x + 7p = 4$ tenglama musbat ildizga ega?
 A) $\frac{4}{7} < p$ B) $\frac{-4}{7} < p$ C) $p < \frac{4}{7}$
 D) $p < \frac{-4}{7}$
1205. 2.6-2 file-» 50 - 111 - - (401749)
 p ning qanday qiymatlarida $6x + 8p = 7$ tenglama musbat ildizga ega?
 A) $\frac{7}{8} < p$ B) $\frac{-7}{8} < p$ C) $p < \frac{7}{8}$
 D) $p < \frac{-7}{8}$
1206. 2.6-2 file-» 50 - 111 - - (401750)
 p ning qanday qiymatlarida $7x + 6p = 5$ tenglama musbat ildizga ega?
 A) $\frac{5}{6} < p$ B) $\frac{-5}{6} < p$ C) $p < \frac{5}{6}$
 D) $p < \frac{-5}{6}$
1207. 2.6-2 file-» 50 - 111 - - (401751)
 p ning qanday qiymatlarida $3x - 7p = 3$ tenglama manfiy ildizga ega?
 A) $p < \frac{-3}{7}$ B) $p < \frac{3}{7}$ C) $\frac{-3}{7} < p$
 D) $\frac{3}{7} < p$
1208. 2.6-2 file-» 50 - 111 - - (401752)
 p ning qanday qiymatlarida $5x - 9p = 4$ tenglama manfiy ildizga ega?
 A) $p < \frac{-4}{9}$ B) $p < \frac{4}{9}$ C) $\frac{-4}{9} < p$
 D) $\frac{4}{9} < p$

1209. 2.6-2 file-» 50 - 111 - - (401753)
 p ning qanday qiymatlarida $4x - 7p = 5$ tenglama manfiy ildizga ega?
 A) $p < \frac{-5}{7}$ B) $p < \frac{5}{7}$ C) $\frac{-5}{7} < p$
 D) $\frac{5}{7} < p$
1210. 2.6-2 file-» 50 - 111 - - (401754)
 p ning qanday qiymatlarida $6x - 11p = 7$ tenglama manfiy ildizga ega?
 A) $p < \frac{-7}{11}$ B) $p < \frac{7}{11}$ C) $\frac{-7}{11} < p$
 D) $\frac{7}{11} < p$
1211. 2.6-2 file-» 50 - 111 - - (401755)
 p ning qanday qiymatlarida $7x - 12p = 7$ tenglama manfiy ildizga ega?
 A) $p < \frac{-7}{12}$ B) $p < \frac{7}{12}$ C) $\frac{-7}{12} < p$
 D) $\frac{7}{12} < p$
1212. 2.6-2 file-» 50 - 111 - - (401756)
 p ning qanday qiymatlarida $3x + 7p = 3$ tenglama manfiy ildizga ega?
 A) $p < \frac{3}{7}$ B) $p < \frac{-3}{7}$ C) $\frac{3}{7} < p$
 D) $\frac{-3}{7} < p$
1213. 2.6-2 file-» 50 - 111 - - (401757)
 p ning qanday qiymatlarida $5x + 9p = 4$ tenglama manfiy ildizga ega?
 A) $p < \frac{4}{9}$ B) $p < \frac{-4}{9}$ C) $\frac{4}{9} < p$
 D) $\frac{-4}{9} < p$
1214. 2.6-2 file-» 50 - 111 - - (401758)
 p ning qanday qiymatlarida $4x + 7p = 5$ tenglama manfiy ildizga ega?
 A) $p < \frac{5}{7}$ B) $p < \frac{-5}{7}$ C) $\frac{5}{7} < p$
 D) $\frac{-5}{7} < p$
1215. 2.6-2 file-» 50 - 111 - - (401760)
 p ning qanday qiymatlarida $7x + 12p = 7$ tenglama manfiy ildizga ega?
 A) $p < \frac{7}{12}$ B) $p < \frac{-7}{12}$ C) $\frac{7}{12} < p$
 D) $\frac{-7}{12} < p$

1216. 2.6-2 file-» 50 - 111 - - (401761)
 p ning qanday qiymatlarida $5x - 3p = 4$ tenglamaning ildizi 12 dan katta bo'ladi?
A) $\frac{56}{3} < p$ **B)** $\frac{64}{3} < p$ **C)** $p < \frac{56}{3}$
D) $p < \frac{64}{3}$
1217. 2.6-2 file-» 50 - 111 - - (401762)
 p ning qanday qiymatlarida $3x - 4p = 5$ tenglamaning ildizi 7 dan katta bo'ladi?
A) $4 < p$ **B)** $\frac{13}{2} < p$ **C)** $p < 4$
D) $p < \frac{13}{2}$
1218. 2.6-2 file-» 50 - 111 - - (401763)
 p ning qanday qiymatlarida $7x - 2p = 6$ tenglamaning ildizi 4 dan katta bo'ladi?
A) $11 < p$ **B)** $17 < p$ **C)** $p < 11$
D) $p < 17$
1219. 2.6-2 file-» 50 - 111 - - (401764)
 p ning qanday qiymatlarida $5x - 3p = 6$ tenglamaning ildizi 8 dan katta bo'ladi?
A) $\frac{34}{3} < p$ **B)** $\frac{46}{3} < p$ **C)** $p < \frac{34}{3}$
D) $p < \frac{46}{3}$
1220. 2.6-2 file-» 50 - 111 - - (401765)
 p ning qanday qiymatlarida $5x - 4p = 4$ tenglamaning ildizi 12 dan katta bo'ladi?
A) $14 < p$ **B)** $16 < p$ **C)** $p < 14$
D) $p < 16$
1221. 2.6-2 file-» 50 - 111 - - (401766)
 p ning qanday qiymatlarida $5x - 3p = 4$ tenglamaning ildizi -12 dan katta bo'ladi?
A) $\frac{-64}{3} < p$ **B)** $\frac{-56}{3} < p$ **C)** $p < \frac{-64}{3}$
D) $p < \frac{-56}{3}$
1222. 2.6-2 file-» 50 - 111 - - (401767)
 p ning qanday qiymatlarida $3x - 4p = 5$ tenglamaning ildizi -7 dan katta bo'ladi?
A) $\frac{-13}{2} < p$ **B)** $-4 < p$ **C)** $p < \frac{-13}{2}$
D) $p < -4$
1223. 2.6-2 file-» 50 - 111 - - (401768)
 p ning qanday qiymatlarida $7x - 2p = 6$ tenglamaning ildizi 4 dan katta bo'ladi?
A) $11 < p$ **B)** $17 < p$ **C)** $p < 11$
D) $p < 17$
1224. 2.6-2 file-» 50 - 111 - - (401769)
 p ning qanday qiymatlarida $5x - 3p = 6$ tenglamaning ildizi -8 dan katta bo'ladi?
A) $\frac{-46}{3} < p$ **B)** $\frac{-34}{3} < p$ **C)** $p < \frac{-46}{3}$
D) $p < \frac{-34}{3}$
1225. 2.6-2 file-» 50 - 111 - - (401770)
 p ning qanday qiymatlarida $5x - 4p = 4$ tenglamaning ildizi -12 dan katta bo'ladi?
A) $-16 < p$ **B)** $-14 < p$ **C)** $p < -16$
D) $p < -14$
1226. 2.6-2 file-» 6 - 7 - - (401771)
 k ning qanday qiymatlarida

$$\begin{cases} 2x + y + k = 0, \\ (k^2 - k + 3)x + 2,5y + 5 = 0 \end{cases}$$
 sistemaning birorta ham yechimi bo'lmaydi?
A) 2 va -1 **B)** -5 va 6 **C)** -1 **D)** 6
1227. 2.6-2 file-» 6 - 8 - - (401772)
 k ning qanday qiymatlarida

$$\begin{cases} x + y + k = 0 \\ (k^2 + k + 1)x + 3y + 3 = 0 \end{cases}$$
 sistema birorta ham yechimga ega bo'lmaydi?
A) 2 **B)** 1 va -2 **C)** -3 va 2 **D)** -2
1228. 2.6-2 file-» 16 - 1 - - (401773)
 x, y - raqamlar; \overline{xy} va $\overline{8y}$ esa ikki xonali sonlar. Agar $\overline{xy} \cdot 6 = \overline{8y}$ bo'lsa, $x + 1, 25y$ ning qiymati qanchaga teng bo'ladi?
A) 9 **B)** 12 **C)** 6 **D)** 8
1229. 2.6-2 file-» 19 - 1 - - 3 (401774)
 a ning qanday qiymatlarida $2ax + 3y = 3$ va $12x + 3y = 7$ to'g'ri chiziqlar kesishish nuqtasining absissasi manfiy bo'ladi?
A) $a < 3$ **B)** $a > 3$ **C)** $a < 2$ **D)** $a > 6$
1230. 2.6-2 file-» 23 - 11 - - 9 (401775)
 $(x^2 - 25)(x - 3)(x + 6)\sqrt{1 + x} = 0$ tenglama ildizlarining o'rta arifmetigini toping.
A) $4\frac{1}{3}$ **B)** $1\frac{1}{3}$ **C)** $2\frac{1}{3}$ **D)** $4\frac{1}{2}$
1231. 2.6-2 file-» 23 - 13 - - 10 (401776)
 $(k - 2)^2y = k^2 - 36$ tenglamaning ildizlari manfiy bo'ladigan k ning barcha butun musbat qiymatlari yig'indisini toping.
A) 10 **B)** 13 **C)** 11 **D)** 8
1232. 2.6-2 file-» 19 - 2 - - 3 (401777)
 k ning qanday qiymatida $k + 7(x + 1) = k(k + 6)x$ tenglama yechimga ega bo'lmaydi?
A) 1 va 7 **B)** 1 **C)** -7 **D)** 1 va -7

1233. 2.6-2 file-» 19 - 2 - - 3 (401778)
 k ning qanday qiymatlarida $k - 2 + \frac{4x - 5}{x - 1} = 0$
 tenglama manfiy yechimga ega bo'ladi?
 A) $(-1; 2)$ **B) $(-3; -2)$** C) $(1; \infty)$
 D) $(-2; 1)$
1234. 2.6-2 file-» 19 - 4 - - 3 (401779)
 m ning qanday qiymatlarida $\begin{cases} 2x - y = 3m - 4 \\ x - y = m - 1 \end{cases}$
 tenglamalar sistemasining yechimi koordinat
 tekisligining IV choragiga tegishli bo'ladi?
 A) $\left(\frac{5}{3}; 2\right)$ **B) $\left(\frac{3}{2}; 2\right)$** C) $(2; \infty)$
 D) $\left(-\infty; \frac{5}{3}\right)$
1235. 2.6-2 file-» 16 - 7 - - 6 (401780)
 90 so'mlik va 105 so'mlik daftarlardan jami 1380
 so'mlik xarid qilindi. Quyida keltirilgan
 sonlardan qaysi biri 90 so'mlik daftarlar soniga
 teng bo'lishi mumkin?
 A) 5 **B) 6** C) 7 D) 8
1236. 2.6-2 file-» 16 - 7 - - 6 (401781)
 Qizil qalam 55 so'm, ko'k qalam esa 65 so'm
 turadi. O'quvchi 830 so'mga ko'k va qizil
 qalamlar sotib oldi. Quyida keltirilganlardan
 qaysi biri xarid qilingan ko'k qalamlarning soniga
 teng bo'la olishi mumkin?
 A) 5 **B) 6** C) 7 D) 8
1237. 2.6-2 file-» 22 - 22 - - 9 (401782)
 m ning qanday qiymatlarida $\frac{6}{x + 1} + m - 4 = 0$
 tenglamaning ildizlari musbat bo'ladi?
 A) $(4; 6)$ B) $(2; 4)$ **C) $(-2; 4)$**
 D) $(-\infty; 2) \cup (4; \infty)$
1238. 2.6-2 file-» 19 - 6 - - 8 (401783)
 a ning qanday qiymatlarida $4 + ax = 3(x + 1)$
 tenglamaning ildizi -4 dan katta bo'ladi?
 A) $(0; \infty)$ B) $(-\infty; 3) \cup (3, 5; \infty)$
 C) $(-\infty; 0)$ **D) $(-\infty; 3) \cup (3, 25; \infty)$**
1239. 2.6-2 file-» 19 - 7 - - 12 (401784)
 k ning qanday qiymatlarida $k - 2 = \frac{3x + 1}{x + 1}$
 tenglama manfiy ildizga ega?
 A) $(3; 5)$ **B) $(-\infty; 3) \cup (5; \infty)$**
 C) $(-\infty; 1) \cup (3; \infty)$ D) $(1; 3)$

1240. 2.6-2 file-» 32 - 1 - - (401785)
 $\frac{3b - 2}{x - 1,5} = 2b$ tenglama b ning qanday
 qiymatlarida manfiy yechimga ega bo'ladi?
 A) $\left(-\frac{1}{3}; 3\right)$ B) $\left(-\frac{1}{3}; 0\right)$
 C) $\left(-\infty; -\frac{2}{3}\right) \cup \left(-\frac{2}{3}; -\frac{1}{3}\right)$ **D) $\left(0; \frac{1}{3}\right)$**
1241. 2.6-2 file-» 50 - 146 - - (704234)
 114 betlik kitobni Ahmad uch kunda o'qib
 tugatdi. U birinchi kuni ikkinchi kunga
 qaraganda 1, 1 marta kam, ikkinchi kuni esa
 uchinchi kunga qaraganda 18 bet kam kitob
 o'qidi. Ikkinchi kuni Ahmad necha bet kitob
 o'qigan?
A) 33 B) 30 C) 51 D) 48
1242. 2.6-2 file-» 50 - 146 - - (704235)
 190 betlik kitobni Ahmad uch kunda o'qib
 tugatdi. U birinchi kuni ikkinchi kunga
 qaraganda 1, 2 marta kam, ikkinchi kuni esa
 uchinchi kunga qaraganda 20 bet kam kitob
 o'qidi. Ikkinchi kuni Ahmad necha bet kitob
 o'qigan?
 A) 70 **B) 60** C) 50 D) 80
1243. 2.6-2 file-» 50 - 146 - - (704236)
 130 betlik kitobni Ahmad uch kunda o'qib
 tugatdi. U birinchi kuni ikkinchi kunga
 qaraganda 1, 3 marta kam, ikkinchi kuni esa
 uchinchi kunga qaraganda 22 bet kam kitob
 o'qidi. Ikkinchi kuni Ahmad necha bet kitob
 o'qigan?
 A) 61 B) 52 **C) 39** D) 30
1244. 2.6-2 file-» 50 - 146 - - (704237)
 214 betlik kitobni Ahmad uch kunda o'qib
 tugatdi. U birinchi kuni ikkinchi kunga
 qaraganda 1, 4 marta kam, ikkinchi kuni esa
 uchinchi kunga qaraganda 24 bet kam kitob
 o'qidi. Ikkinchi kuni Ahmad necha bet kitob
 o'qigan?
 A) 50 B) 94 C) 74 **D) 70**
1245. 2.6-2 file-» 50 - 146 - - (704238)
 146 betlik kitobni Ahmad uch kunda o'qib
 tugatdi. U birinchi kuni ikkinchi kunga
 qaraganda 1, 5 marta kam, ikkinchi kuni esa
 uchinchi kunga qaraganda 26 bet kam kitob
 o'qidi. Ikkinchi kuni Ahmad necha bet kitob
 o'qigan?
A) 45 B) 30 C) 71 D) 56

1246. 2.6-2 file-» 50 - 146 - - (704239)
 238 betlik kitobni Ahmad uch kunda o'qib tugatdi. U birinchi kuni ikkinchi kunga qaraganda 1,6 marta kam, ikkinchi kuni esa uchinchi kunga qaraganda 28 bet kam kitob o'qidi. Ikkinchi kuni Ahmad necha bet kitob o'qigan?
 A) 78 **B)** 80 C) 50 D) 108
1247. 2.6-2 file-» 50 - 146 - - (704240)
 Ketma-ket kelgan uchta natural sondan kattasining kvadrati qolgan ikkitasining ko'paytmasidan 61 taga katta. Berilgan sonlardan kattasini toping.
A) 21 B) 19 C) 23 D) 22
1248. 2.6-2 file-» 50 - 146 - - (704241)
 Ketma-ket kelgan uchta natural sondan kattasining kvadrati qolgan ikkitasining ko'paytmasidan 64 taga katta. Berilgan sonlardan kattasini toping.
 A) 23 **B)** 22 C) 20 D) 24
1249. 2.6-2 file-» 50 - 146 - - (704242)
 Ketma-ket kelgan uchta natural sondan kattasining kvadrati qolgan ikkitasining ko'paytmasidan 67 taga katta. Berilgan sonlardan kattasini toping.
 A) 25 B) 24 **C)** 23 D) 21
1250. 2.6-2 file-» 50 - 146 - - (704243)
 Ketma-ket kelgan uchta natural sondan kattasining kvadrati qolgan ikkitasining ko'paytmasidan 70 taga katta. Berilgan sonlardan kattasini toping.
 A) 22 B) 26 C) 25 **D)** 24
1251. 2.6-2 file-» 50 - 146 - - (704244)
 Ketma-ket kelgan uchta natural sondan kattasining kvadrati qolgan ikkitasining ko'paytmasidan 73 taga katta. Berilgan sonlardan kattasini toping.
A) 25 B) 23 C) 27 D) 26
1252. 2.6-2 file-» 50 - 146 - - (704245)
 Ketma-ket kelgan uchta natural sondan kattasining kvadrati qolgan ikkitasining ko'paytmasidan 76 taga katta. Berilgan sonlardan kattasini toping.
 A) 27 **B)** 26 C) 24 D) 28
1253. 2.6-2 file-» 50 - 146 - - (704246)
 Ketma-ket kelgan uchta natural sondan kichigining kvadrati qolgan ikkitasining ko'paytmasidan 65 taga kam. Berilgan sonlardan kichigini toping.
A) 21 B) 23 C) 19 D) 20
1254. 2.6-2 file-» 50 - 146 - - (704247)
 Ketma-ket kelgan uchta natural sondan kichigining kvadrati qolgan ikkitasining ko'paytmasidan 68 taga kam. Berilgan sonlardan kichigini toping.
 A) 21 **B)** 22 C) 24 D) 20
1255. 2.6-2 file-» 50 - 146 - - (704248)
 Ketma-ket kelgan uchta natural sondan kichigining kvadrati qolgan ikkitasining ko'paytmasidan 71 taga kam. Berilgan sonlardan kichigini toping.
 A) 21 B) 22 **C)** 23 D) 25
1256. 2.6-2 file-» 50 - 146 - - (704249)
 Ketma-ket kelgan uchta natural sondan kichigining kvadrati qolgan ikkitasining ko'paytmasidan 74 taga kam. Berilgan sonlardan kichigini toping.
 A) 26 B) 22 C) 23 **D)** 24
1257. 2.6-2 file-» 50 - 146 - - (704250)
 Ketma-ket kelgan uchta natural sondan kichigining kvadrati qolgan ikkitasining ko'paytmasidan 77 taga kam. Berilgan sonlardan kichigini toping.
A) 25 B) 27 C) 23 D) 24
1258. 2.6-2 file-» 50 - 146 - - (704251)
 Ketma-ket kelgan uchta natural sondan kichigining kvadrati qolgan ikkitasining ko'paytmasidan 80 taga kam. Berilgan sonlardan kichigini toping.
 A) 25 **B)** 26 C) 28 D) 24
1259. 2.6-2 file-» 50 - 146 - - (704252)
 Ikki ta sonning ayirmasi 24 ga teng. Ulardan biri boshqasidan 3 marta katta. Shu sonlardan kattasini toping.
A) 36 B) 39 C) 42 D) 33
1260. 2.6-2 file-» 50 - 146 - - (704253)
 Ikki ta sonning ayirmasi 39 ga teng. Ulardan biri boshqasidan 4 marta katta. Shu sonlardan kattasini toping.
 A) 48 **B)** 52 C) 56 D) 60
1261. 2.6-2 file-» 50 - 146 - - (704254)
 Ikki ta sonning ayirmasi 56 ga teng. Ulardan biri boshqasidan 5 marta katta. Shu sonlardan kattasini toping.
 A) 80 B) 65 **C)** 70 D) 75
1262. 2.6-2 file-» 50 - 146 - - (704255)
 Ikki ta sonning ayirmasi 30 ga teng. Ulardan biri boshqasidan 3 marta katta. Shu sonlardan kattasini toping.
 A) 48 B) 51 C) 42 **D)** 45

1263. 2.6-2 file-» 50 - 146 - - (704256)
Ikkita sonning ayirmasi 48 ga teng. Ulardan biri boshqasidan 4 marta katta. Shu sonlardan kattasini toping.
A) 64 B) 68 C) 72 D) 60
1264. 2.6-2 file-» 50 - 146 - - (704257)
Ikkita sonning ayirmasi 68 ga teng. Ulardan biri boshqasidan 5 marta katta. Shu sonlardan kattasini toping.
A) 80 B) 85 C) 90 D) 95
1265. 2.6-2 file-» 50 - 146 - - (704258)
Ikkita sonning ayirmasi 24 ga teng. Ulardan biri boshqasidan 3 marta kichik. Shu sonlardan kichigini toping.
A) 12 B) 11 C) 13 D) 10
1266. 2.6-2 file-» 50 - 146 - - (704259)
Ikkita sonning ayirmasi 39 ga teng. Ulardan biri boshqasidan 4 marta kichik. Shu sonlardan kichigini toping.
A) 11 B) 13 C) 12 D) 14
1267. 2.6-2 file-» 50 - 146 - - (704260)
Ikkita sonning ayirmasi 56 ga teng. Ulardan biri boshqasidan 5 marta kichik. Shu sonlardan kichigini toping.
A) 15 B) 12 C) 14 D) 13
1268. 2.6-2 file-» 50 - 146 - - (704261)
Ikkita sonning ayirmasi 30 ga teng. Ulardan biri boshqasidan 3 marta kichik. Shu sonlardan kichigini toping.
A) 14 B) 16 C) 13 D) 15
1269. 2.6-2 file-» 50 - 146 - - (704262)
Ikkita sonning ayirmasi 48 ga teng. Ulardan biri boshqasidan 4 marta kichik. Shu sonlardan kichigini toping.
A) 16 B) 15 C) 17 D) 14
1270. 2.6-2 file-» 50 - 146 - - (704263)
Ikkita sonning ayirmasi 68 ga teng. Ulardan biri boshqasidan 5 marta kichik. Shu sonlardan kichigini toping.
A) 15 B) 17 C) 16 D) 18
1271. 2.7-1 file-» 51 - 2 - - (719250)
Agar x_1 va x_2 $x^2 + 7x - 11 = 0$ tenglamaning ildizlari bo'lsa, $\frac{1}{x_1} + \frac{1}{x_2}$ ning qiymatini toping.
A) $\frac{7}{11}$ B) $-\frac{11}{7}$ C) $-\frac{7}{11}$ D) $\frac{11}{7}$

1272. 2.7-1 file-» 50 - 139 - - (719251)
 x_1 va x_2 $x^2 + px + 27 = 0$ tenglamaning ildizlari.
 $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.
A) $-27p$ B) $27p$ C) $-\frac{p}{27}$ D) $\frac{p}{27}$
1273. 2.7-1 file-» 50 - 139 - - (719252)
 x_1 va x_2 $x^2 + px + 28 = 0$ tenglamaning ildizlari.
 $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.
A) $\frac{p}{28}$ B) $-28p$ C) $28p$ D) $-\frac{p}{28}$
1274. 2.7-1 file-» 50 - 139 - - (719253)
 x_1 va x_2 $x^2 + px + 40 = 0$ tenglamaning ildizlari.
 $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.
A) $-\frac{p}{40}$ B) $\frac{p}{40}$ C) $-40p$ D) $40p$
1275. 2.7-1 file-» 50 - 139 - - (719254)
 x_1 va x_2 $x^2 + px + 12 = 0$ tenglamaning ildizlari.
 $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.
A) $12p$ B) $-\frac{p}{12}$ C) $\frac{p}{12}$ D) $-12p$
1276. 2.7-1 file-» 50 - 139 - - (719255)
 x_1 va x_2 $x^2 + px + 21 = 0$ tenglamaning ildizlari.
 $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.
A) $-21p$ B) $21p$ C) $-\frac{p}{21}$ D) $\frac{p}{21}$
1277. 2.7-1 file-» 50 - 139 - - (719256)
 x_1 va x_2 $x^2 + px - 27 = 0$ tenglamaning ildizlari.
 $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.
A) $-\frac{p}{27}$ B) $27p$ C) $-27p$ D) $\frac{p}{27}$
1278. 2.7-1 file-» 50 - 139 - - (719257)
 x_1 va x_2 $x^2 + px - 28 = 0$ tenglamaning ildizlari.
 $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.
A) $\frac{p}{28}$ B) $-\frac{p}{28}$ C) $28p$ D) $-28p$
1279. 2.7-1 file-» 50 - 139 - - (719258)
 x_1 va x_2 $x^2 + px - 40 = 0$ tenglamaning ildizlari.
 $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.
A) $-40p$ B) $\frac{p}{40}$ C) $-\frac{p}{40}$ D) $40p$

1280. 2.7-1 file-» 50 - 139 - - (719259)
 x_1 va x_2 $x^2 + px - 12 = 0$ tenglamaning ildizlari.
 $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.
 A) $12p$ B) $-12p$ **C) $\frac{p}{12}$** D) $-\frac{p}{12}$
1281. 2.7-1 file-» 50 - 139 - - (719260)
 x_1 va x_2 $x^2 + px - 21 = 0$ tenglamaning ildizlari.
 $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.
 A) $-\frac{p}{21}$ B) $21p$ C) $-21p$ **D) $\frac{p}{21}$**
1282. 2.7-1 file-» 50 - 139 - - (719261)
 x_1 va x_2 $x^2 + px - 27 = 0$ tenglamaning ildizlari.
 $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.
A) $\frac{p}{27}$ B) $-\frac{p}{27}$ C) $27p$ D) $-27p$
1283. 2.7-1 file-» 50 - 139 - - (719262)
 x_1 va x_2 $x^2 + px - 28 = 0$ tenglamaning ildizlari.
 $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.
 A) $-28p$ **B) $\frac{p}{28}$** C) $-\frac{p}{28}$ D) $28p$
1284. 2.7-1 file-» 50 - 139 - - (719263)
 x_1 va x_2 $x^2 + px - 40 = 0$ tenglamaning ildizlari.
 $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.
 A) $40p$ B) $-40p$ **C) $\frac{p}{40}$** D) $-\frac{p}{40}$
1285. 2.7-1 file-» 50 - 139 - - (719264)
 x_1 va x_2 $x^2 + px - 12 = 0$ tenglamaning ildizlari.
 $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.
 A) $-\frac{p}{12}$ B) $12p$ C) $-12p$ **D) $\frac{p}{12}$**
1286. 2.7-1 file-» 50 - 139 - - (719265)
 x_1 va x_2 $x^2 + px - 21 = 0$ tenglamaning ildizlari.
 $\frac{1}{x_1} + \frac{1}{x_2}$ ni p orqali ifodalang.
A) $\frac{p}{21}$ B) $-\frac{p}{21}$ C) $21p$ D) $-21p$
1287. 2.7-1 file-» 50 - 139 - - (719266)
 x_1 va x_2 $x^2 + px + 27 = 0$ tenglamaning ildizlari.
 $x_1^2 + x_2^2$ ni p orqali ifodalang.
 A) $p^2 - 27$ B) $p^2 + 27$ **C) $p^2 - 54$**
 D) $p^2 + 54$
1288. 2.7-1 file-» 50 - 139 - - (719267)
 x_1 va x_2 $x^2 + px + 28 = 0$ tenglamaning ildizlari.
 $x_1^2 + x_2^2$ ni p orqali ifodalang.
 A) $p^2 + 56$ B) $p^2 - 28$ C) $p^2 + 28$
D) $p^2 - 56$
1289. 2.7-1 file-» 50 - 139 - - (719268)
 x_1 va x_2 $x^2 + px + 40 = 0$ tenglamaning ildizlari.
 $x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 - 80$ B) $p^2 + 80$ C) $p^2 - 40$
 D) $p^2 + 40$
1290. 2.7-1 file-» 50 - 139 - - (719269)
 x_1 va x_2 $x^2 + px + 12 = 0$ tenglamaning ildizlari.
 $x_1^2 + x_2^2$ ni p orqali ifodalang.
 A) $p^2 + 12$ **B) $p^2 - 24$** C) $p^2 + 24$
 D) $p^2 - 12$
1291. 2.7-1 file-» 50 - 139 - - (719270)
 x_1 va x_2 $x^2 + px + 21 = 0$ tenglamaning ildizlari.
 $x_1^2 + x_2^2$ ni p orqali ifodalang.
 A) $p^2 - 21$ B) $p^2 + 21$ **C) $p^2 - 42$**
 D) $p^2 + 42$
1292. 2.7-1 file-» 50 - 139 - - (719271)
 x_1 va x_2 $x^2 + px - 27 = 0$ tenglamaning ildizlari.
 $x_1^2 + x_2^2$ ni p orqali ifodalang.
 A) $p^2 - 54$ B) $p^2 + 27$ C) $p^2 - 27$
D) $p^2 + 54$
1293. 2.7-1 file-» 50 - 139 - - (719272)
 x_1 va x_2 $x^2 + px - 28 = 0$ tenglamaning ildizlari.
 $x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 + 56$ B) $p^2 - 56$ C) $p^2 + 28$
 D) $p^2 - 28$
1294. 2.7-1 file-» 50 - 139 - - (719273)
 x_1 va x_2 $x^2 + px - 40 = 0$ tenglamaning ildizlari.
 $x_1^2 + x_2^2$ ni p orqali ifodalang.
 A) $p^2 - 40$ **B) $p^2 + 80$** C) $p^2 - 80$
 D) $p^2 + 40$
1295. 2.7-1 file-» 50 - 139 - - (719274)
 x_1 va x_2 $x^2 + px - 12 = 0$ tenglamaning ildizlari.
 $x_1^2 + x_2^2$ ni p orqali ifodalang.
 A) $p^2 + 12$ B) $p^2 - 12$ **C) $p^2 + 24$**
 D) $p^2 - 24$
1296. 2.7-1 file-» 50 - 139 - - (719275)
 x_1 va x_2 $x^2 + px - 21 = 0$ tenglamaning ildizlari.
 $x_1^2 + x_2^2$ ni p orqali ifodalang.
 A) $p^2 - 42$ B) $p^2 + 21$ C) $p^2 - 21$
D) $p^2 + 42$
1297. 2.7-1 file-» 50 - 139 - - (719276)
 x_1 va x_2 $x^2 + px - 27 = 0$ tenglamaning ildizlari.
 $x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 + 54$ B) $p^2 - 54$ C) $p^2 + 27$
 D) $p^2 - 27$

1298. 2.7-1 file-» 50 - 139 - - (719277)
 x_1 va x_2 $x^2 + px - 28 = 0$ tenglamaning ildizlari.
 $x_1^2 + x_2^2$ ni p orqali ifodalang.
 A) $p^2 - 28$ B) $p^2 + 56$ C) $p^2 - 56$
 D) $p^2 + 28$
1299. 2.7-1 file-» 50 - 139 - - (719278)
 x_1 va x_2 $x^2 + px - 40 = 0$ tenglamaning ildizlari.
 $x_1^2 + x_2^2$ ni p orqali ifodalang.
 A) $p^2 + 40$ B) $p^2 - 40$ C) $p^2 + 80$
 D) $p^2 - 80$
1300. 2.7-1 file-» 50 - 139 - - (719279)
 x_1 va x_2 $x^2 + px - 12 = 0$ tenglamaning ildizlari.
 $x_1^2 + x_2^2$ ni p orqali ifodalang.
 A) $p^2 - 24$ B) $p^2 + 12$ C) $p^2 - 12$
D) $p^2 + 24$
1301. 2.7-1 file-» 50 - 139 - - (719280)
 x_1 va x_2 $x^2 + px - 21 = 0$ tenglamaning ildizlari.
 $x_1^2 + x_2^2$ ni p orqali ifodalang.
A) $p^2 + 42$ B) $p^2 - 42$ C) $p^2 + 21$
 D) $p^2 - 21$
1302. 2.7-2 file-» 23 - 2 - - (36460)
 $x^2 - 9x + q = 0$ tenglamaning ildizlaridan
 бири 2 га тенг. Бу тенгламанинг барча
 коэффициентлари йиғиндисини топинг.
 A) 2 B) -6 C) 3 D) 6
1303. 2.7-2 file-» 23 - 3 - - (36519)
 $x^2 + px - 12 = 0$ тенгламанинг ildizlaridan
 бири 3 га тенг. Шу тенгламанинг барча
 коэффициентлари йиғиндисини топинг.
 A) -13 B) -10 C) -12 D) -11
1304. 2.7-2 file-» 23 - 16 - - 1 (86912)
 $2x^2 - 26x + 32 = 0$ тенглама ildizlarining
 ўрта пропорционалини топинг.
A) 4 B) 5 C) 7 D) 6
1305. 2.7-2 file-» 23 - 16 - - 1 (86913)
 Агар y_1 ва y_2 $y^2 - by + 2b - 3 = 0$ тенгламанинг
 ildizlari бўлса, b нинг қандай қийматида
 $y_1^2 + y_2^2$ ифоданинг қиймати энг кичик бўлади?
 A) 1,2 B) 2 C) 1 D) 1,5
1306. 2.7-2 file-» 16 - 6 - - 4 (88091)
 $x^2 - 3|x| - 28 = 0$ тенгламанинг ildizlari
 кўпайтмасини топинг.
A) -49 B) -36 C) -32 D) -64
1307. 2.7-2 file-» 23 - 17 - - 7 (94277)
 $x^2 + 2px + q^2 = 0$ ($q \neq 0$) тенглама p/q нинг
 қандай қийматларида ҳақиқий ildizlarга эга
 эмас?
 A) (-2; 2) B) (0; 2] C) (-1; 1)
 D) $(-\infty; -1) \cup (1; \infty)$
1308. 2.7-2 file-» 23 - 19 - - 2 (109045)
 a нинг қандай қийматида
 $x^2 - (a - 1)x + 32 = 0$ тенгламанинг
 ildizlaridan бири 4 га тенг бўлади?
A) 13 B) 12 C) 11 D) 14
1309. 2.7-2 file-» 27 - 2 - - 8 (113283)
 k нинг қандай қийматларида
 $(2k + 5)x^2 + 7x - 2k^2 = 0$ тенглама $x = 1$
 ечимга эга?
 A) 1; 3 B) 1; -3 C) -1; 3 D) -2; 3
1310. 2.7-2 file-» 5 - 13 - - 9 (115032)
 a нинг қандай қийматларида $ax^2 - 3x + 3 = 0$
 тенглама битта ildizга эга бўлади?
 A) $\frac{1}{3}$ B) 0 ва 1 C) $\frac{3}{4}$ ва 0 D) $\frac{1}{3}$ ва 0
1311. 2.7-2 file-» 23 - 18 - - 7 (115461)
 $x^2 - \frac{a}{4}x + a = 0$ тенгламанинг ildizlaridan
 бири 1 га тенг. Тенгламанинг иккинчи
 ildizини топинг.
A) $-\frac{4}{3}$ B) $-\frac{1}{2}$ C) $\frac{1}{3}$ D) $-\frac{1}{3}$
1312. 2.7-2 file-» 23 - 18 - - 7 (115462)
 p нинг нечта натурал қийматида
 $x^2 + px + 30 = 0$ тенглама ҳақиқий ildizга эга
 эмас?
A) 10 B) 14 C) 7 D) 15
1313. 2.7-2 file-» 23 - 18 - - 7 (115463)
 $y^2 - ty + \frac{1}{2}t + 2 = 0$ тенглама тенг ildizlarга
 эга бўладиган t нинг барча қийматлари
 йиғиндисини топинг.
 A) 1 B) 1,5 C) -1 D) 2
1314. 2.7-2 file-» 19 - 7 - - 12 (136845)
 k нинг қандай қийматларида
 $kx^2 - (k - 9)x + 3 = 0$ тенглама иккита тенг
 манфий ildizга эга?
 A) 49; 1 B) 1 C) -49; -1 D) 3
1315. 2.7-2 file-» 23 - 22 - - 1 (140300)
 Агар $x - \sqrt{x + 3} - 27 = 0$ бўлса, $\sqrt{x + 3}$ нинг
 қийматини ҳисобланг.
 A) 5 B) 4 C) 6 D) 7
1316. 2.7-2 file-» 16 - 12 - - 9 (141672)
 $2x^2 - 14x + c = 0$ тенгламанинг ildizlaridan
 бири 0,5 га тенг. Шу тенгламанинг иккинчи
 ildizини топинг.
 A) 4 B) 3 C) 0 D) 6,5

1317. 2.7-2 file-» 16 - 13 - - 7 (147417)
 $7x^2 + (5k^2 - 6k - 11)x - k^4 = 0$ тенгламанинг илдизлари қарама-қарши сонлар бўладиган k нинг барча қийматлари йиғиндисини аниқланг.
A) 1, 2 B) 1, 4 C) 1, 6 D) 1, 8
1318. 2.7-2 file-» 22 - 25 - - 8 (151073)
 $\frac{x^3 - 8}{x - 2} = 9 - 2x$ тенгламанинг илдизлари йиғиндисини топинг.
 A) 6 B) 4 **C) -4** D) 3
1319. 2.7-2 file-» 22 - 25 - - 8 (151077)
 $x^2 + x + a = 0$ тенгламанинг x_1 ва x_2 илдизлари орасида $\frac{1}{x_1} + \frac{1}{x_2} = \frac{2}{5}$ муносабат ўринли. a нинг қийматини топинг.
A) -2, 5 B) -2 C) -1 D) -1, 5
1320. 2.7-2 file-» 22 - 25 - - 9 (151098)
 $x^2 = |6 - 5x|$ тенгламанинг нечта илдизи бор?
A) 4 B) 1 C) 2 D) 3
1321. 2.7-2 file-» 55 - 1 - - (180970)
 Илдизлари $3x^2 + x - 4 = 0$ тенгламанинг илдизларига қарама-қарши сонлардан иборат бўлган квадрат тенгламани тузинг.
A) $3x^2 - x - 4 = 0$ B) $3x^2 - x + 4 = 0$
 C) $3x^2 + x + 4 = 0$ D) $3x^2 - 4x - 1 = 0$
1322. 2.7-2 file-» 23 - 2 - - (315270)
 $x^2 - 9x + q = 0$ tenglamaning ildizlaridan biri 2 ga teng. Bu tenglamaning barcha koeffitsiyentlari yig'indisini toping.
 A) 2 B) -6 C) 3 **D) 6**
1323. 2.7-2 file-» 23 - 3 - - (315271)
 $x^2 + px - 12 = 0$ tenglamaning ildizlaridan biri 3 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.
 A) -13 **B) -10** C) -12 D) -11
1324. 2.7-2 file-» 23 - 16 - - 1 (315272)
 $2x^2 - 26x + 32 = 0$ tenglama ildizlarining o'рта proporsionalini toping.
A) 4 B) 5 C) 7 D) 6
1325. 2.7-2 file-» 23 - 16 - - 1 (315273)
 Agar y_1 va y_2 $y^2 - by + 2b - 3 = 0$ tenglamaning ildizlari bo'lsa, b ning qanday qiymatida $y_1^2 + y_2^2$ ifodaning qiymati eng kichik bo'ladi?
 A) 1, 2 **B) 2** C) 1 D) 1, 5
1326. 2.7-2 file-» 16 - 6 - - 4 (315274)
 $x^2 - 3|x| - 28 = 0$ tenglamaning ildizlari ko'paytmasini toping.
A) -49 B) -36 C) -32 D) -64
1327. 2.7-2 file-» 23 - 17 - - 7 (315275)
 $x^2 + 2px + q^2 = 0$ ($q \neq 0$) tenglama p/q ning qanday qiymatlarida haqiqiy ildizlarga ega emas?
 A) (-2; 2) B) (0; 2] **C) (-1; 1)**
 D) $(-\infty; -1) \cup (1; \infty)$
1328. 2.7-2 file-» 23 - 19 - - 2 (315276)
 a ning qanday qiymatida $x^2 - (a - 1)x + 32 = 0$ tenglamaning ildizlaridan biri 4 ga teng bo'ladi?
A) 13 B) 12 C) 11 D) 14
1329. 2.7-2 file-» 27 - 2 - - 8 (315277)
 k ning qanday qiymatlarida $(2k + 5)x^2 + 7x - 2k^2 = 0$ tenglama $x = 1$ yechimga ega?
 A) 1; 3 B) 1; -3 C) -1; 3 **D) -2; 3**
1330. 2.7-2 file-» 5 - 13 - - 9 (315278)
 a ning qanday qiymatlarida $ax^2 - 3x + 3 = 0$ tenglama bitta ildizga ega bo'ladi?
 A) $\frac{1}{3}$ B) 0 va 1 **C) $\frac{3}{4}$ va 0** D) $\frac{1}{3}$ va 0
1331. 2.7-2 file-» 23 - 18 - - 7 (315279)
 $x^2 - \frac{a}{4}x + a = 0$ tenglamaning ildizlaridan biri 1 ga teng. Tenglamaning ikkinchi ildizini toping.
A) $-\frac{4}{3}$ B) $-\frac{1}{2}$ C) $\frac{1}{3}$ D) $-\frac{1}{3}$
1332. 2.7-2 file-» 23 - 18 - - 7 (315280)
 p ning nechta natural qiymatida $x^2 + px + 30 = 0$ tenglama haqiqiy ildizga ega emas?
A) 10 B) 14 C) 7 D) 15
1333. 2.7-2 file-» 23 - 18 - - 7 (315281)
 $y^2 - ty + \frac{1}{2}t + 2 = 0$ tenglama teng ildizlarga ega bo'ladigan t ning barcha qiymatlari yig'indisini toping.
 A) 1 B) 1, 5 C) -1 **D) 2**
1334. 2.7-2 file-» 19 - 7 - - 12 (315282)
 k ning qanday qiymatlarida $kx^2 - (k - 9)x + 3 = 0$ tenglama ikkita teng manfiy ildizga ega?
 A) 49; 1 B) 1 C) -49; -1 **D) 3**
1335. 2.7-2 file-» 23 - 22 - - 1 (315283)
 Agar $x - \sqrt{x + 3} - 27 = 0$ bo'lsa, $\sqrt{x + 3}$ ning qiymatini hisoblang.
 A) 5 B) 4 **C) 6** D) 7
1336. 2.7-2 file-» 16 - 12 - - 9 (315284)
 $2x^2 - 14x + c = 0$ tenglamaning ildizlaridan biri 0,5 ga teng. Shu tenglamaning ikkinchi ildizini toping.
 A) 4 B) 3 C) 0 **D) 6, 5**

1337. 2.7-2 file-» 16 - 13 - - 7 (315285)
 $7x^2 + (5k^2 - 6k - 11)x - k^4 = 0$ tenglamaning ildizlari qarama-qarshi sonlarbo'ladigan k ning barcha qiymatlari yig'indisini aniqlang.
A) 1,2 B) 1,4 C) 1,6 D) 1,8
1338. 2.7-2 file-» 22 - 25 - - 8 (315286)
 $\frac{x^3 - 8}{x - 2} = 9 - 2x$ tenglamaning ildizlari yig'indisini toping.
 A) 6 B) 4 **C) -4** D) 3
1339. 2.7-2 file-» 22 - 25 - - 8 (315287)
 $x^2 + x + a = 0$ tenglamaning x_1 va x_2 ildizlari orasida $\frac{1}{x_1} + \frac{1}{x_2} = \frac{2}{5}$ munosabat o'rinli. a ning qiymatini toping.
A) -2,5 B) -2 C) -1 D) -1,5
1340. 2.7-2 file-» 22 - 25 - - 9 (315288)
 $x^2 = |6 - 5x|$ tenglamaning nechta ildizi bor?
A) 4 B) 1 C) 2 D) 3
1341. 2.7-2 file-» 55 - 1 - - (315289)
 Ildizlari $3x^2 + x - 4 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan kvadrat tenglamani tuzing.
A) $3x^2 - x - 4 = 0$ B) $3x^2 - x + 4 = 0$
 C) $3x^2 + x + 4 = 0$ D) $3x^2 - 4x - 1 = 0$
1342. 2.7-2 file-» 50 - 108 - - (401786)
 Ildizlari $x^2 - 10x + 24 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.
A) $24x^2 - 10x + 1 = 0$.
 B) $24x^2 + 10x + 1 = 0$.
 C) $24x^2 - 10x - 1 = 0$.
 D) $24x^2 + 10x - 1 = 0$.
1343. 2.7-2 file-» 50 - 108 - - (401787)
 Ildizlari $x^2 - 11x + 24 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.
A) $24x^2 - 11x + 1 = 0$.
 B) $24x^2 + 11x + 1 = 0$.
 C) $24x^2 - 11x - 1 = 0$.
 D) $24x^2 + 11x - 1 = 0$.
1344. 2.7-2 file-» 50 - 108 - - (401788)
 Ildizlari $x^2 - 9x + 18 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.
A) $18x^2 - 9x + 1 = 0$. B) $18x^2 + 9x + 1 = 0$.
 C) $18x^2 - 9x - 1 = 0$. D) $18x^2 + 9x - 1 = 0$.
1345. 2.7-2 file-» 50 - 108 - - (401789)
 Ildizlari $x^2 - 15x + 56 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.
A) $56x^2 - 15x + 1 = 0$
 B) $56x^2 + 15x + 1 = 0$ C) $56x^2 - 15x - 1 = 0$
 D) $56x^2 + 15x - 1 = 0$
1346. 2.7-2 file-» 50 - 108 - - (401790)
 Ildizlari $x^2 - 14x + 48 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.
A) $48x^2 - 14x + 1 = 0$
 B) $48x^2 + 14x + 1 = 0$ C) $48x^2 - 14x - 1 = 0$
 D) $48x^2 + 14x - 1 = 0$
1347. 2.7-2 file-» 50 - 108 - - (401791)
 Ildizlari $x^2 - 11x + 28 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.
A) $28x^2 - 11x + 1 = 0$
 B) $28x^2 + 11x + 1 = 0$ C) $28x^2 - 11x - 1 = 0$
 D) $28x^2 + 11x - 1 = 0$
1348. 2.7-2 file-» 50 - 108 - - (401792)
 Ildizlari $x^2 - 20x + 96 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.
A) $96x^2 - 20x + 1 = 0$
 B) $96x^2 + 20x + 1 = 0$ C) $96x^2 - 20x - 1 = 0$
 D) $96x^2 + 20x - 1 = 0$
1349. 2.7-2 file-» 50 - 108 - - (401793)
 Ildizlari $x^2 - 17x + 66 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.
A) $66x^2 - 17x + 1 = 0$
 B) $66x^2 + 17x + 1 = 0$ C) $66x^2 - 17x - 1 = 0$
 D) $66x^2 + 17x - 1 = 0$
1350. 2.7-2 file-» 50 - 108 - - (401794)
 Ildizlari $x^2 - 22x + 112 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.
A) $112x^2 - 22x + 1 = 0$
 B) $112x^2 + 22x + 1 = 0$
 C) $112x^2 - 22x - 1 = 0$
 D) $112x^2 + 22x - 1 = 0$
1351. 2.7-2 file-» 50 - 108 - - (401795)
 Ildizlari $x^2 - 17x + 52 = 0$ tenglamaning ildizlariga teskari bo'lgan kvadrat tenglama tuzing.
A) $52x^2 - 17x + 1 = 0$
 B) $52x^2 + 17x + 1 = 0$ C) $52x^2 - 17x - 1 = 0$
 D) $52x^2 + 17x - 1 = 0$

1352. 2.7-2 file-» 50 - 108 - - (401796)
 Ildizlari $x^2 - 11x + 28 = 0$ tenglamaning
 ildizlaridan ikki marta katta bo'lgan kvadrat
 tenglama tuzing.
A) $x^2 - 22x + 112 = 0$
 B) $x^2 + 22x + 112 = 0$ C) $x^2 - 22x - 112 = 0$
 D) $x^2 + 22x - 112 = 0$
1353. 2.7-2 file-» 50 - 108 - - (401797)
 Ildizlari $x^2 - 10x + 21 = 0$ tenglamaning
 ildizlaridan ikki marta katta bo'lgan kvadrat
 tenglama tuzing.
A) $x^2 - 20x + 84 = 0$ B) $x^2 + 20x + 84 = 0$
 C) $x^2 + 20x - 84 = 0$ D) $x^2 - 20x - 84 = 0$
1354. 2.7-2 file-» 50 - 108 - - (401798)
 Ildizlari $x^2 - 16x + 63 = 0$ tenglamaning
 ildizlaridan ikki marta katta bo'lgan kvadrat
 tenglama tuzing.
A) $x^2 - 32x + 252 = 0$
 B) $x^2 + 32x + 252 = 0$ C) $x^2 + 32x - 252 = 0$
 D) $x^2 - 32x - 252 = 0$
1355. 2.7-2 file-» 50 - 108 - - (401799)
 Ildizlari $x^2 - 18x + 72 = 0$ tenglamaning
 ildizlaridan ikki marta katta bo'lgan kvadrat
 tenglama tuzing.
A) $x^2 - 36x + 288 = 0$
 B) $x^2 + 36x + 288 = 0$ C) $x^2 + 36x - 288 = 0$
 D) $x^2 - 36x - 288 = 0$
1356. 2.7-2 file-» 50 - 108 - - (401800)
 Ildizlari $x^2 - 19x + 84 = 0$ tenglamaning
 ildizlaridan ikki marta katta bo'lgan kvadrat
 tenglama tuzing.
A) $x^2 - 38x + 336 = 0$
 B) $x^2 + 38x + 336 = 0$ C) $x^2 + 38x - 336 = 0$
 D) $x^2 - 38x - 336 = 0$
1357. 2.7-2 file-» 50 - 108 - - (401801)
 Ildizlari $x^2 - 13x + 36 = 0$ tenglamaning
 ildizlaridan ikki marta katta bo'lgan kvadrat
 tenglama tuzing.
A) $x^2 - 26x + 144 = 0$
 B) $x^2 + 26x + 144 = 0$ C) $x^2 + 26x - 144 = 0$
 D) $x^2 - 26x - 144 = 0$
1358. 2.7-2 file-» 50 - 108 - - (401802)
 Ildizlari $x^2 - 20x + 96 = 0$ tenglamaning
 ildizlaridan ikki marta katta bo'lgan kvadrat
 tenglama tuzing.
A) $x^2 - 40x + 384 = 0$
 B) $x^2 + 40x + 384 = 0$ C) $x^2 + 40x - 384 = 0$
 D) $x^2 - 40x - 384 = 0$
1359. 2.7-2 file-» 50 - 108 - - (401803)
 Ildizlari $x^2 - 22x + 96 = 0$ tenglamaning
 ildizlaridan ikki marta katta bo'lgan kvadrat
 tenglama tuzing.
A) $x^2 - 44x + 384 = 0$
 B) $x^2 + 44x + 384 = 0$ C) $x^2 + 44x - 384 = 0$
 D) $x^2 - 44x - 384 = 0$
1360. 2.7-2 file-» 50 - 108 - - (401804)
 Ildizlari $x^2 - 22x + 112 = 0$ tenglamaning
 ildizlaridan ikki marta katta bo'lgan kvadrat
 tenglama tuzing.
A) $x^2 - 44x + 448 = 0$
 B) $x^2 + 44x + 448 = 0$ C) $x^2 + 44x - 448 = 0$
 D) $x^2 - 44x - 448 = 0$
1361. 2.7-2 file-» 50 - 108 - - (401805)
 Ildizlari $x^2 - 19x + 78 = 0$ tenglamaning
 ildizlaridan ikki marta katta bo'lgan kvadrat
 tenglama tuzing.
A) $x^2 - 38x + 312 = 0$
 B) $x^2 + 38x + 312 = 0$ C) $x^2 + 38x - 312 = 0$
 D) $x^2 - 38x - 312 = 0$
1362. 2.7-2 file-» 50 - 108 - - (401806)
 Ildizlari $x^2 - 10x + 24 = 0$ tenglamaning
 ildizlaridan ikkita katta bo'lgan kvadrat
 tenglama tuzing.
A) $x^2 - 14x + 48 = 0$ B) $x^2 + 14x + 48 = 0$
 C) $x^2 + 14x - 48 = 0$ D) $x^2 - 14x - 48 = 0$
1363. 2.7-2 file-» 50 - 108 - - (401807)
 Ildizlari $x^2 - 11x + 24 = 0$ tenglamaning
 ildizlaridan ikkita katta bo'lgan kvadrat
 tenglama tuzing.
A) $x^2 - 15x + 50 = 0$ B) $x^2 + 15x + 50 = 0$
 C) $x^2 + 15x - 50 = 0$ D) $x^2 - 15x - 50 = 0$
1364. 2.7-2 file-» 50 - 108 - - (401808)
 Ildizlari $x^2 - 9x + 18 = 0$ tenglamaning
 ildizlaridan ikkita katta bo'lgan kvadrat
 tenglama tuzing.
A) $x^2 - 13x + 40 = 0$ B) $x^2 + 13x + 40 = 0$
 C) $x^2 + 13x - 40 = 0$ D) $x^2 - 13x - 40 = 0$
1365. 2.7-2 file-» 50 - 108 - - (401809)
 Ildizlari $x^2 - 15x + 56 = 0$ tenglamaning
 ildizlaridan ikkita katta bo'lgan kvadrat
 tenglama tuzing.
A) $x^2 - 19x + 90 = 0$ B) $x^2 + 19x + 90 = 0$
 C) $x^2 + 19x - 90 = 0$ D) $x^2 - 19x - 90 = 0$
1366. 2.7-2 file-» 50 - 108 - - (401810)
 Ildizlari $x^2 - 14x + 48 = 0$ tenglamaning
 ildizlaridan ikkita katta bo'lgan kvadrat
 tenglama tuzing.
A) $x^2 - 18x + 80 = 0$ B) $x^2 + 18x + 80 = 0$
 C) $x^2 + 18x - 80 = 0$ D) $x^2 - 18x - 80 = 0$

1367. 2.7-2 file-» 50 - 108 - - (401811)
 Ildizlari $x^2 - 11x + 28 = 0$ tenglamaning ildizlaridan ikkita katta bo'lgan kvadrat tenglama tuzing.
 A) $x^2 - 15x + 54 = 0$ B) $x^2 + 15x + 54 = 0$
 C) $x^2 + 15x - 54 = 0$ D) $x^2 - 15x - 54 = 0$
1368. 2.7-2 file-» 50 - 108 - - (401812)
 Ildizlari $x^2 - 20x + 96 = 0$ tenglamaning ildizlaridan ikkita katta bo'lgan kvadrat tenglama tuzing.
 A) $x^2 - 24x + 140 = 0$
 B) $x^2 + 24x + 140 = 0$ C) $x^2 + 24x - 140 = 0$
 D) $x^2 - 24x - 140 = 0$
1369. 2.7-2 file-» 50 - 108 - - (401813)
 Ildizlari $x^2 - 22x + 112 = 0$ tenglamaning ildizlaridan ikkita katta bo'lgan kvadrat tenglama tuzing.
 A) $x^2 - 26x + 160 = 0$
 B) $x^2 + 26x + 160 = 0$ C) $x^2 + 26x - 160 = 0$
 D) $x^2 - 26x - 160 = 0$
1370. 2.7-2 file-» 50 - 108 - - (401814)
 Ildizlari $x^2 - 19x + 84 = 0$ tenglamaning ildizlaridan ikkita katta bo'lgan kvadrat tenglama tuzing.
 A) $x^2 - 23x + 126 = 0$
 B) $x^2 + 23x + 126 = 0$ C) $x^2 + 23x - 126 = 0$
 D) $x^2 - 23x - 126 = 0$
1371. 2.7-2 file-» 50 - 108 - - (401815)
 Ildizlari $x^2 - 17x + 52 = 0$ tenglamaning ildizlaridan ikkita katta bo'lgan kvadrat tenglama tuzing.
 A) $x^2 - 21x + 90 = 0$ B) $x^2 + 21x + 90 = 0$
 C) $x^2 + 21x - 90 = 0$ D) $x^2 - 21x - 90 = 0$
1372. 2.7-2 file-» 50 - 115 - - (401816)
 k ning qanday qiymatida $3x^2 - 5x + 3k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $9x_1 + 3x_2 = 3$ munosabat o'rinli bo'ladi?
 A) $\frac{-2}{3}$ B) $\frac{2}{3}$ C) $\frac{5}{3}$ D) $\frac{-5}{3}$
1373. 2.7-2 file-» 50 - 115 - - (401817)
 k ning qanday qiymatida $3x^2 - 14x + 3k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $6x_1 + 5x_2 = 24$ munosabat o'rinli bo'ladi?
 A) $\frac{-8}{3}$ B) $\frac{8}{3}$ C) $\frac{14}{3}$ D) $\frac{-14}{3}$
1374. 2.7-2 file-» 50 - 115 - - (401818)
 k ning qanday qiymatida $4x^2 - 25x + 4k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $8x_1 + 6x_2 = 36$ munosabat o'rinli bo'ladi?
 A) $\frac{-21}{4}$ B) $\frac{21}{4}$ C) $\frac{25}{4}$ D) $\frac{-25}{4}$
1375. 2.7-2 file-» 50 - 115 - - (401819)
 k ning qanday qiymatida $4x^2 + 41x + 4k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $12x_1 + 4x_2 = -35$ munosabat o'rinli bo'ladi?
 A) $\frac{-33}{4}$ B) $\frac{33}{4}$ C) $\frac{-41}{4}$ D) $\frac{41}{4}$
1376. 2.7-2 file-» 50 - 115 - - (401820)
 k ning qanday qiymatida $3x^2 - 10x + 3k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $6x_1 + 7x_2 = 24$ munosabat o'rinli bo'ladi?
 A) $\frac{-8}{3}$ B) $\frac{8}{3}$ C) $\frac{10}{3}$ D) $\frac{-10}{3}$
1377. 2.7-2 file-» 50 - 115 - - (401821)
 k ning qanday qiymatida $3x^2 + 5x + 3k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $6x_1 + 8x_2 = -14$ munosabat o'rinli bo'ladi?
 A) $\frac{2}{3}$ B) $\frac{-2}{3}$ C) $\frac{5}{3}$ D) $\frac{-5}{3}$
1378. 2.7-2 file-» 50 - 115 - - (401822)
 k ning qanday qiymatida $3x^2 - 5x + 3k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $6x_1 + 11x_2 = 20$ munosabat o'rinli bo'ladi?
 A) $\frac{2}{3}$ B) $\frac{-5}{3}$ C) $\frac{-2}{3}$ D) $\frac{5}{3}$
1379. 2.7-2 file-» 50 - 115 - - (401823)
 k ning qanday qiymatida $3x^2 - 14x + 3k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $9x_1 + 12x_2 = 54$ munosabat o'rinli bo'ladi?
 A) $\frac{-14}{3}$ B) $\frac{14}{3}$ C) $\frac{-8}{3}$ D) $\frac{8}{3}$
1380. 2.7-2 file-» 50 - 115 - - (401824)
 k ning qanday qiymatida $4x^2 - 17x + 4k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $8x_1 + 11x_2 = 49$ munosabat o'rinli bo'ladi?
 A) $\frac{-15}{4}$ B) $\frac{15}{4}$ C) $\frac{17}{4}$ D) $\frac{-17}{4}$
1381. 2.7-2 file-» 50 - 115 - - (401825)
 k ning qanday qiymatida $4x^2 + 49x + 4k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $12x_1 + 8x_2 = -95$ munosabat o'rinli bo'ladi?
 A) $\frac{-39}{4}$ B) $\frac{39}{4}$ C) $\frac{-49}{4}$ D) $\frac{49}{4}$
1382. 2.7-2 file-» 50 - 115 - - (401826)
 k ning qanday qiymatida $3x^2 - 10x + 3k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $6x_1 + 13x_2 = 48$ munosabat o'rinli bo'ladi?
 A) $\frac{8}{3}$ B) $\frac{-10}{3}$ C) $\frac{-8}{3}$ D) $\frac{10}{3}$

1383. 2.7-2 file-» 50 - 115 - - (401827)
 k ning qanday qiymatida $3x^2 + 5x + 3k = 0$
 tenglamaning x_1 va x_2 ildizlari orasida
 $6x_1 + 9x_2 = -16$ munosabat o'rinli bo'ladi?
 A) $\frac{2}{3}$ B) $\frac{-5}{3}$ C) $\frac{5}{3}$ **D) $\frac{-2}{3}$**
1384. 2.7-2 file-» 50 - 115 - - (401828)
 k ning qanday qiymatida $4x^2 - 7x + 4k = 0$
 tenglamaning x_1 va x_2 ildizlari orasida
 $16x_1 + 3x_2 = 2$ munosabat o'rinli bo'ladi?
A) $\frac{-1}{2}$ B) $\frac{1}{2}$ C) $\frac{-7}{4}$ D) $\frac{7}{4}$
1385. 2.7-2 file-» 50 - 115 - - (401829)
 k ning qanday qiymatida $5x^2 - 22x + 5k = 0$
 tenglamaning x_1 va x_2 ildizlari orasida
 $5x_1 + 6x_2 = 26$ munosabat o'rinli bo'ladi?
 A) $\frac{-8}{5}$ **B) $\frac{8}{5}$** C) $\frac{22}{5}$ D) $\frac{-22}{5}$
1386. 2.7-2 file-» 50 - 115 - - (401830)
 k ning qanday qiymatida $5x^2 - 12x + 5k = 0$
 tenglamaning x_1 va x_2 ildizlari orasida
 $5x_1 + 8x_2 = 21$ munosabat o'rinli bo'ladi?
 A) $\frac{9}{5}$ B) $\frac{-12}{5}$ **C) $\frac{-9}{5}$** D) $\frac{12}{5}$
1387. 2.7-2 file-» 50 - 115 - - (401831)
 k ning qanday qiymatida $7x^2 + 18x + 7k = 0$
 tenglamaning x_1 va x_2 ildizlari orasida
 $14x_1 + 5x_2 = -9$ munosabat o'rinli bo'ladi?
 A) $\frac{18}{7}$ B) $\frac{-18}{7}$ C) $\frac{9}{7}$ **D) $\frac{-9}{7}$**
1388. 2.7-2 file-» 50 - 115 - - (401832)
 k ning qanday qiymatida $2x^2 - 7x + 2k = 0$
 tenglamaning x_1 va x_2 ildizlari orasida
 $8x_1 + 6x_2 = 20$ munosabat o'rinli bo'ladi?
A) -2 B) 2 C) $\frac{7}{2}$ D) $\frac{-7}{2}$
1389. 2.7-2 file-» 50 - 115 - - (401833)
 k ning qanday qiymatida $4x^2 + 7x + 4k = 0$
 tenglamaning x_1 va x_2 ildizlari orasida
 $12x_1 + 9x_2 = -15$ munosabat o'rinli bo'ladi?
 A) $\frac{7}{4}$ **B) $\frac{-1}{2}$** C) $\frac{-7}{4}$ D) $\frac{1}{2}$
1390. 2.7-2 file-» 50 - 115 - - (401834)
 k ning qanday qiymatida $3x^2 - 8x + 3k = 0$
 tenglamaning x_1 va x_2 ildizlari orasida
 $6x_1 + 11x_2 = 31$ munosabat o'rinli bo'ladi?
 A) $\frac{8}{3}$ B) $\frac{-8}{3}$ **C) -1** D) 1

1391. 2.7-2 file-» 50 - 115 - - (401835)
 k ning qanday qiymatida $3x^2 - 17x + 3k = 0$
 tenglamaning x_1 va x_2 ildizlari orasida
 $9x_1 + 12x_2 = 66$ munosabat o'rinli bo'ladi?
 A) $\frac{-10}{3}$ B) $\frac{-17}{3}$ C) $\frac{17}{3}$ **D) $\frac{10}{3}$**
1392. 2.7-2 file-» 50 - 115 - - (401836)
 k ning qanday qiymatida $4x^2 - 13x + 4k = 0$
 tenglamaning x_1 va x_2 ildizlari orasida
 $8x_1 + 11x_2 = 38$ munosabat o'rinli bo'ladi?
A) -3 B) 3 C) $\frac{13}{4}$ D) $\frac{-13}{4}$
1393. 2.7-2 file-» 50 - 115 - - (401837)
 k ning qanday qiymatida $4x^2 + 13x + 4k = 0$
 tenglamaning x_1 va x_2 ildizlari orasida
 $12x_1 + 8x_2 = -23$ munosabat o'rinli bo'ladi?
 A) 3 **B) -3** C) $\frac{-13}{4}$ D) $\frac{13}{4}$
1394. 2.7-2 file-» 50 - 115 - - (401838)
 k ning qanday qiymatida $3x^2 - 13x + 3k = 0$
 tenglamaning x_1 va x_2 ildizlari orasida
 $6x_1 + 13x_2 = 61$ munosabat o'rinli bo'ladi?
 A) $\frac{10}{3}$ B) $\frac{13}{3}$ **C) $\frac{-10}{3}$** D) $\frac{-13}{3}$
1395. 2.7-2 file-» 50 - 115 - - (401839)
 k ning qanday qiymatida $3x^2 + 8x + 3k = 0$
 tenglamaning x_1 va x_2 ildizlari orasida
 $6x_1 + 9x_2 = -25$ munosabat o'rinli bo'ladi?
 A) $\frac{-8}{3}$ B) $\frac{8}{3}$ C) 1 **D) -1**
1396. 2.7-2 file-» 50 - 115 - - (401840)
 k ning qanday qiymatida $3x^2 - 13x + 3k = 0$
 tenglamaning x_1 va x_2 ildizlari orasida
 $6x_1 + 11x_2 = 51$ munosabat o'rinli bo'ladi?
A) $\frac{-10}{3}$ B) $\frac{10}{3}$ C) $\frac{13}{3}$ D) $\frac{-13}{3}$
1397. 2.7-2 file-» 50 - 115 - - (401841)
 k ning qanday qiymatida $3x^2 - 19x + 3k = 0$
 tenglamaning x_1 va x_2 ildizlari orasida
 $9x_1 + 12x_2 = 72$ munosabat o'rinli bo'ladi?
A) $\frac{20}{3}$ B) $\frac{-20}{3}$ C) $\frac{19}{3}$ D) $\frac{-19}{3}$
1398. 2.7-2 file-» 50 - 115 - - (401842)
 k ning qanday qiymatida $4x^2 - 7x + 4k = 0$
 tenglamaning x_1 va x_2 ildizlari orasida
 $8x_1 + 11x_2 = 23$ munosabat o'rinli bo'ladi?
 A) $\frac{15}{4}$ B) $\frac{7}{4}$ **C) $\frac{-15}{4}$** D) $\frac{-7}{4}$

1399. 2.7-2 file-» 50 - 115 - - (401843)
 k ning qanday qiymatida $4x^2 + 7x + 4k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $12x_1 + 8x_2 = -9$ munosabat o‘rinli bo‘ladi?
 A) $\frac{7}{4}$ B) $\frac{15}{4}$ C) $\frac{-7}{4}$ D) $\frac{-15}{4}$
1400. 2.7-2 file-» 50 - 115 - - (401844)
 k ning qanday qiymatida $3x^2 - 7x + 3k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $6x_1 + 13x_2 = 42$ munosabat o‘rinli bo‘ladi?
A) $\frac{-20}{3}$ B) $\frac{20}{3}$ C) $\frac{7}{3}$ D) $\frac{-7}{3}$
1401. 2.7-2 file-» 50 - 115 - - (401845)
 k ning qanday qiymatida $3x^2 + x + 3k = 0$ tenglamaning x_1 va x_2 ildizlari orasida $6x_1 + 9x_2 = -8$ munosabat o‘rinli bo‘ladi?
 A) $\frac{1}{3}$ B) $\frac{-10}{3}$ C) $\frac{-1}{3}$ D) $\frac{10}{3}$
1402. 2.7-2 file-» 50 - 149 - - (704264)
 $x^2 - 10x + q = 0$ tenglamaning ildizlaridan biri 2 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig‘indisini toping.
 A) 26 B) 7 C) 6 D) 27
1403. 2.7-2 file-» 50 - 149 - - (704265)
 $x^2 - 10x + q = 0$ tenglamaning ildizlaridan biri 3 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig‘indisini toping.
 A) 32 B) 31 C) 12 D) 11
1404. 2.7-2 file-» 50 - 149 - - (704266)
 $x^2 - 10x + q = 0$ tenglamaning ildizlaridan biri 4 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig‘indisini toping.
 A) 14 B) 35 C) 34 D) 15
1405. 2.7-2 file-» 50 - 149 - - (704267)
 $x^2 - 10x + q = 0$ tenglamaning ildizlaridan biri 5 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig‘indisini toping.
A) 16 B) 15 C) 36 D) 35
1406. 2.7-2 file-» 50 - 149 - - (704268)
 $x^2 - 10x + q = 0$ tenglamaning ildizlaridan biri 6 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig‘indisini toping.
 A) 34 B) 15 C) 14 D) 35
1407. 2.7-2 file-» 50 - 149 - - (704269)
 $x^2 - 11x + q = 0$ tenglamaning ildizlaridan biri 2 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig‘indisini toping.
 A) 30 B) 29 C) 8 D) 7
1408. 2.7-2 file-» 50 - 149 - - (704270)
 $x^2 - 11x + q = 0$ tenglamaning ildizlaridan biri 3 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig‘indisini toping.
 A) 13 B) 36 C) 35 D) 14
1409. 2.7-2 file-» 50 - 149 - - (704271)
 Ildizlari $2x^2 + x - 3 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo‘lgan tenglama tuzing.
 A) $2x^2 + x - 2 = 0$ B) $2x^2 - 3x + 1 = 0$
C) $2x^2 - x - 3 = 0$ D) $2x^2 - x + 3 = 0$
1410. 2.7-2 file-» 50 - 149 - - (704272)
 Ildizlari $3x^2 + x - 4 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo‘lgan tenglama tuzing.
 A) $3x^2 - x + 4 = 0$ B) $3x^2 + x - 3 = 0$
 C) $3x^2 - 4x + 1 = 0$ D) $3x^2 - x - 4 = 0$
1411. 2.7-2 file-» 50 - 149 - - (704273)
 Ildizlari $4x^2 + x - 5 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo‘lgan tenglama tuzing.
A) $4x^2 - x - 5 = 0$ B) $4x^2 - x + 5 = 0$
 C) $4x^2 + x - 4 = 0$ D) $4x^2 - 5x + 1 = 0$
1412. 2.7-2 file-» 50 - 149 - - (704274)
 Ildizlari $6x^2 + x - 7 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo‘lgan tenglama tuzing.
 A) $6x^2 - 7x + 1 = 0$ B) $6x^2 - x - 7 = 0$
 C) $6x^2 - x + 7 = 0$ D) $6x^2 + x - 6 = 0$
1413. 2.7-2 file-» 50 - 149 - - (704275)
 Ildizlari $5x^2 + x - 6 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo‘lgan tenglama tuzing.
 A) $5x^2 + x - 5 = 0$ B) $5x^2 - 6x + 1 = 0$
C) $5x^2 - x - 6 = 0$ D) $5x^2 - x + 6 = 0$
1414. 2.7-2 file-» 50 - 149 - - (704276)
 Ildizlari $7x^2 + x - 8 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo‘lgan tenglama tuzing.
 A) $7x^2 - x + 8 = 0$ B) $7x^2 + x - 7 = 0$
 C) $7x^2 - 8x + 1 = 0$ D) $7x^2 - x - 8 = 0$
1415. 2.7-2 file-» 50 - 149 - - (704277)
 Ildizlari $8x^2 + x - 9 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo‘lgan tenglama tuzing.
A) $8x^2 - x - 9 = 0$ B) $8x^2 - x + 9 = 0$
 C) $8x^2 + x - 8 = 0$ D) $8x^2 - 9x + 1 = 0$

1416. 2.7-2 file-» 50 - 149 - - (704278)
 Ildizlari $5x^2 + 2x - 7 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.
 A) $5x^2 - 7x + 2 = 0$ B) $5x^2 - 2x - 7 = 0$
 C) $5x^2 - 2x + 7 = 0$ D) $5x^2 + 2x - 5 = 0$
1417. 2.7-2 file-» 50 - 149 - - (704279)
 a ning qanday qiymatida $x^2 - (a - 2)x + 14 = 0$ tenglamaning ildizlaridan biri 2 ga teng bo'ladi?
 A) 7 B) -7 C) -11 D) 11
1418. 2.7-2 file-» 50 - 149 - - (704280)
 a ning qanday qiymatida $x^2 - (a - 3)x + 18 = 0$ tenglamaning ildizlaridan biri 3 ga teng bo'ladi?
 A) 12 B) 6 C) -6 D) -12
1419. 2.7-2 file-» 50 - 149 - - (704281)
 a ning qanday qiymatida $x^2 - (a - 4)x + 20 = 0$ tenglamaning ildizlaridan biri 4 ga teng bo'ladi?
 A) -13 B) 13 C) 5 D) -5
1420. 2.7-2 file-» 50 - 149 - - (704282)
 a ning qanday qiymatida $x^2 - (a - 2)x + 20 = 0$ tenglamaning ildizlaridan biri 5 ga teng bo'ladi?
 A) -7 B) -11 C) 11 D) 7
1421. 2.7-2 file-» 50 - 149 - - (704283)
 a ning qanday qiymatida $x^2 - (a - 3)x + 18 = 0$ tenglamaning ildizlaridan biri 6 ga teng bo'ladi?
 A) 6 B) -6 C) -12 D) 12
1422. 2.7-2 file-» 50 - 149 - - (704284)
 a ning qanday qiymatida $x^2 - (a - 4)x - 14 = 0$ tenglamaning ildizlaridan biri -2 ga teng bo'ladi?
 A) 9 B) 1 C) -1 D) -9
1423. 2.7-2 file-» 50 - 149 - - (704285)
 a ning qanday qiymatida $x^2 - (a - 2)x - 18 = 0$ tenglamaning ildizlaridan biri -3 ga teng bo'ladi?
 A) -5 B) 5 C) 1 D) -1
1424. 2.7-2 file-» 50 - 149 - - (704286)
 $x^2 - \frac{9}{14}ax + a = 0$ tenglamaning ildizlaridan biri 2 ga teng. Uning ikkinchi ildizini toping.
 A) 8 B) 7 C) -7 D) 6
1425. 2.7-2 file-» 50 - 149 - - (704287)
 $x^2 - \frac{a}{2}x + a = 0$ tenglamaning ildizlaridan biri 3 ga teng. Uning ikkinchi ildizini toping.
 A) 5 B) 7 C) 6 D) -6
1426. 2.7-2 file-» 50 - 149 - - (704288)
 $x^2 - \frac{9}{20}ax + a = 0$ tenglamaning ildizlaridan biri 4 ga teng. Uning ikkinchi ildizini toping.
 A) -5 B) 4 C) 6 D) 5
1427. 2.7-2 file-» 50 - 149 - - (704289)
 $x^2 - \frac{9}{20}ax + a = 0$ tenglamaning ildizlaridan biri 5 ga teng. Uning ikkinchi ildizini toping.
 A) 4 B) -4 C) 3 D) 5
1428. 2.7-2 file-» 50 - 149 - - (704290)
 $x^2 - \frac{a}{2}x + a = 0$ tenglamaning ildizlaridan biri 6 ga teng. Uning ikkinchi ildizini toping.
 A) 4 B) 3 C) -3 D) 2
1429. 2.7-2 file-» 50 - 149 - - (704291)
 $x^2 + \frac{5}{14}ax + a = 0$ tenglamaning ildizlaridan biri -2 ga teng. Uning ikkinchi ildizini toping.
 A) 6 B) 8 C) 7 D) -7
1430. 2.7-2 file-» 50 - 149 - - (704292)
 $x^2 + \frac{a}{6}x + a = 0$ tenglamaning ildizlaridan biri -3 ga teng. Uning ikkinchi ildizini toping.
 A) -6 B) 5 C) 7 D) 6
1431. 2.7-2 file-» 50 - 149 - - (704293)
 $x^2 + \frac{a}{20}x + a = 0$ tenglamaning ildizlaridan biri -4 ga teng. Uning ikkinchi ildizini toping.
 A) 5 B) -5 C) 4 D) 6
1432. 2.7-2 file-» 51 - 1 - - (719281)
 Agar x_1 va x_2 lar $x^2 - 5x + 5,25 = 0$ tenglamaning ildizlari bo'lsa, u holda $\frac{4x_1x_2}{x_1 + x_2}$ ni hisoblang.
 A) $\frac{21}{5}$ B) $\frac{19}{5}$ C) $-\frac{23}{5}$ D) $-\frac{21}{5}$
1433. 2.7-2 file-» 51 - 1 - - (719282)
 $x^2\sqrt{x-4} - 25\sqrt{x-4} = 0$ tenglama ildizlarining ko'paytmasini toping.
 A) -100 B) 20 C) -20 D) 100
1434. 2.7-2 file-» 51 - 1 - - (719283)
 p ning qanday qiymatlarida $x^2 + p^2(x-1) - x = 0$ tenglamaning ildizlari qarama-qarshi sonlardan iborat bo'ladi?
 A) -4; 4 B) -1; 1 C) -3; 3 D) -2; 2
1435. 2.7-2 file-» 51 - 1 - - (719284)
 $(x^2 - 5)^2 + x^2 - 5 = 0$ tenglamaning ildizlari ko'paytmasini toping.
 A) -20 B) -5 C) 5 D) 20

1436. 2.7-2 file-» 51 - 1 - - (719285)
 $(x - 4)\sqrt{3 + 2x - x^2} = 0$ tenglamaning eng katta yechimini toping.
A) 3 B) 4 C) -1 D) 0
1437. 2.7-2 file-» 51 - 2 - - (719286)
 a ning qanday qiymatlarida $x^2 - 16x + 10a = 0$ tenglama ildizlarining ayirmasi 4 ga teng bo'ladi?
A) 6 B) 1 C) 16 D) 10
1438. 2.7-2 file-» 51 - 2 - - (719287)
 $\left(x^2 - \frac{1}{4}\right) \cdot \sqrt{x^2 - x} = 0$ tenglamaning haqiqiy ildizlari yig'indisini toping.
 A) $\frac{3}{2}$ B) $\frac{5}{4}$ C) 1 **D) $\frac{1}{2}$**
1439. 2.7-2 file-» 51 - 2 - - (719288)
 $x^2 + x + 1 = \frac{15}{x^2 + x + 3}$ tenglamaning haqiqiy ildizlari ko'paytmasini toping.
 A) -1 **B) -2** C) 1 D) 2
1440. 2.7-2 file-» 51 - 2 - - (719289)
 $y = -2x^2 - 5x + 12$ parabolaning koordinat o'qlari bilan kesishish nuqtalari koordinatlari yig'indisini toping.
 A) 12 B) -2,5 **C) 9,5** D) 8
1441. 2.7-2 file-» 51 - 2 - - (719290)
 p ning $(1 - 3p)x^2 - 4x - 3 = 0$ tenglama haqiqiy ildizlarga ega bo'ladigan barcha qiymatlarini toping.
 A) $\left(-\infty; \frac{4}{9}\right]$ **B) $\left(-\infty; \frac{7}{9}\right]$** C) $\left(0; \frac{7}{9}\right]$
 D) $\left(-\infty; \frac{4}{9}\right)$
1442. 2.7-2 file-» 58 - 1 - - (719291)
 a ning qanday qiymatida $a(2^x + 2^{-x}) = 5$ tenglama yagona ildizga ega bo'ladi?
 A) 5 **B) 2,5** C) 1 D) 0,5
1443. 2.7-2 file-» 58 - 1 - - (719292)
 $\frac{x^2 - 7x + 12}{x - 3} = x^2 + 8x - 34$ tenglamaning ildizlari yig'indisini toping.
 A) 4 **B) -10** C) -7 D) 8
1444. 2.7-2 file-» 58 - 1 - - (719293)
 $x^2 + \sqrt{x^2} = 2,75$ tenglamaning eng katta va eng kichik ildizlari ayirmasini toping.
A) $2\sqrt{3} - 1$ B) $3\sqrt{2} - 1$ C) $2\sqrt{3} + 1$
 D) 1
1445. 2.7-2 file-» 50 - 161 - - (719294)
 $x^2 - 11x + q = 0$ tenglamaning ildizlaridan biri 4 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.
A) 18 B) 17 C) 40 D) 39
1446. 2.7-2 file-» 50 - 161 - - (719295)
 $x^2 - 11x + q = 0$ tenglamaning ildizlaridan biri 5 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.
 A) 41 **B) 20** C) 19 D) 42
1447. 2.7-2 file-» 50 - 161 - - (719296)
 $x^2 - 11x + q = 0$ tenglamaning ildizlaridan biri 6 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.
 A) 42 B) 41 **C) 20** D) 19
1448. 2.7-2 file-» 50 - 161 - - (719297)
 $x^2 - 12x + q = 0$ tenglamaning ildizlaridan biri 2 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.
 A) 8 B) 33 C) 32 **D) 9**
1449. 2.7-2 file-» 50 - 161 - - (719298)
 $x^2 - 12x + q = 0$ tenglamaning ildizlaridan biri 3 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.
A) 16 B) 15 C) 40 D) 39
1450. 2.7-2 file-» 50 - 161 - - (719299)
 $x^2 - 12x + q = 0$ tenglamaning ildizlaridan biri 4 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.
 A) 44 **B) 21** C) 20 D) 45
1451. 2.7-2 file-» 50 - 161 - - (719300)
 $x^2 - 12x + q = 0$ tenglamaning ildizlaridan biri 5 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.
 A) 48 B) 47 **C) 24** D) 23
1452. 2.7-2 file-» 50 - 161 - - (719301)
 $x^2 - 12x + q = 0$ tenglamaning ildizlaridan biri 6 ga teng. Shu tenglamaning barcha koeffitsiyentlari yig'indisini toping.
 A) 24 B) 49 C) 48 **D) 25**
1453. 2.7-2 file-» 50 - 161 - - (719302)
 Ildizlari $5x^2 + 4x - 9 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.
A) $5x^2 + 4x - 5 = 0$ B) $5x^2 - 9x + 4 = 0$
C) $5x^2 - 4x - 9 = 0$ D) $5x^2 - 4x + 9 = 0$

1454. 2.7-2 file-» 50 - 161 - - (719303)
 Ildizlari $4x^2 + 5x - 9 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.
 A) $4x^2 - 5x + 9 = 0$ B) $4x^2 + 5x - 4 = 0$
 C) $4x^2 - 9x + 5 = 0$ **D) $4x^2 - 5x - 9 = 0$**
1455. 2.7-2 file-» 50 - 161 - - (719304)
 Ildizlari $9x^2 + x - 10 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.
A) $9x^2 - x - 10 = 0$ B) $9x^2 - x + 10 = 0$
 C) $9x^2 + x - 9 = 0$ D) $9x^2 - 10x + 1 = 0$
1456. 2.7-2 file-» 50 - 161 - - (719305)
 Ildizlari $10x^2 + x - 11 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.
 A) $10x^2 - 11x + 1 = 0$ **B) $10x^2 - x - 11 = 0$**
 C) $10x^2 - x + 11 = 0$ D) $10x^2 + x - 10 = 0$
1457. 2.7-2 file-» 50 - 161 - - (719306)
 Ildizlari $11x^2 + x - 12 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.
 A) $11x^2 + x - 11 = 0$ B) $11x^2 - 12x + 1 = 0$
C) $11x^2 - x - 12 = 0$ D) $11x^2 - x + 12 = 0$
1458. 2.7-2 file-» 50 - 161 - - (719307)
 Ildizlari $12x^2 + x - 13 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.
 A) $12x^2 - x + 13 = 0$ B) $12x^2 + x - 12 = 0$
 C) $12x^2 - 13x + 1 = 0$ **D) $12x^2 - x - 13 = 0$**
1459. 2.7-2 file-» 50 - 161 - - (719308)
 Ildizlari $13x^2 + x - 14 = 0$ tenglamaning ildizlariga qarama-qarshi sonlardan iborat bo'lgan tenglama tuzing.
A) $13x^2 - x - 14 = 0$ B) $13x^2 - x + 14 = 0$
 C) $13x^2 + x - 13 = 0$ D) $13x^2 - 14x + 1 = 0$
1460. 2.7-2 file-» 50 - 161 - - (719309)
 a ning qanday qiymatida $x^2 - (a - 3)x - 20 = 0$ tenglamaning ildizlaridan biri -4 ga teng bo'ladi?
 A) 2 B) -4 **C) 4** D) -2
1461. 2.7-2 file-» 50 - 161 - - (719310)
 a ning qanday qiymatida $x^2 - (a - 4)x - 20 = 0$ tenglamaning ildizlaridan biri -5 ga teng bo'ladi?
 A) -5 B) 5 C) -3 **D) 3**
1462. 2.7-2 file-» 50 - 161 - - (719311)
 a ning qanday qiymatida $x^2 - (a - 2)x - 18 = 0$ tenglamaning ildizlaridan biri -6 ga teng bo'ladi?
A) -1 B) -5 C) 5 D) 1
1463. 2.7-2 file-» 50 - 161 - - (719312)
 a ning qanday qiymatida $x^2 - (a - 3)x + 16 = 0$ tenglamaning ildizlaridan biri 2 ga teng bo'ladi?
 A) -13 **B) 13** C) 7 D) -7
1464. 2.7-2 file-» 50 - 161 - - (719313)
 a ning qanday qiymatida $x^2 - (a - 4)x + 21 = 0$ tenglamaning ildizlaridan biri 3 ga teng bo'ladi?
 A) -6 B) -14 **C) 14** D) 6
1465. 2.7-2 file-» 50 - 161 - - (719314)
 a ning qanday qiymatida $x^2 - (a - 2)x + 24 = 0$ tenglamaning ildizlaridan biri 4 ga teng bo'ladi?
 A) 8 B) -8 C) -12 **D) 12**
1466. 2.7-2 file-» 50 - 161 - - (719315)
 a ning qanday qiymatida $x^2 - (a - 3)x + 25 = 0$ tenglamaning ildizlaridan biri 5 ga teng bo'ladi?
A) 13 B) 7 C) -7 D) -13
1467. 2.7-2 file-» 50 - 161 - - (719316)
 a ning qanday qiymatida $x^2 - (a - 4)x + 24 = 0$ tenglamaning ildizlaridan biri 6 ga teng bo'ladi?
 A) -14 **B) 14** C) 6 D) -6
1468. 2.7-2 file-» 50 - 161 - - (719317)
 $x^2 - \frac{a}{20}x + a = 0$ tenglamaning ildizlaridan biri -5 ga teng. Uning ikkinchi ildizini toping.
 A) 5 **B) 4** C) -4 D) 3
1469. 2.7-2 file-» 50 - 161 - - (719318)
 $x^2 - \frac{a}{6}x + a = 0$ tenglamaning ildizlaridan biri -6 ga teng. Uning ikkinchi ildizini toping.
 A) 2 B) 4 **C) 3** D) -3
1470. 2.7-2 file-» 50 - 161 - - (719319)
 $x^2 - \frac{5}{8}ax + a = 0$ tenglamaning ildizlaridan biri 2 ga teng. Uning ikkinchi ildizini toping.
 A) -8 B) 7 C) 9 **D) 8**
1471. 2.7-2 file-» 50 - 161 - - (719320)
 $x^2 - \frac{10}{21}ax + a = 0$ tenglamaning ildizlaridan biri 3 ga teng. Uning ikkinchi ildizini toping.
A) 7 B) -7 C) 6 D) 8
1472. 2.7-2 file-» 50 - 161 - - (719321)
 $x^2 - \frac{5}{12}ax + a = 0$ tenglamaning ildizlaridan biri 4 ga teng. Uning ikkinchi ildizini toping.
 A) 7 **B) 6** C) -6 D) 5

1473. 2.7-2 file-» 50 - 161 - - (719322)
 $x^2 - \frac{2}{5}ax + a = 0$ tenglamaning ildizlaridan biri 5 ga teng. Uning ikkinchi ildizini toping.
 A) 4 B) 6 C) 5 D) -5
1474. 2.7-2 file-» 50 - 161 - - (719323)
 $x^2 - \frac{5}{12}ax + a = 0$ tenglamaning ildizlaridan biri 6 ga teng. Uning ikkinchi ildizini toping.
 A) -4 B) 3 C) 5 D) 4
1475. 2.8-1 file-» 6 - 3 - - (14017)
 $\begin{cases} x + y = 3 \\ x^2 - y^2 = -6, \quad y-? \end{cases}$
 A) 0,5 B) 2,5 C) 3 D) 1
1476. 2.8-1 file-» 6 - 4 - - (14069)
 $\begin{cases} x^2 + y^2 = 5 \\ x - y = 1, \quad 2 \cdot x \cdot y = ? \end{cases}$
 A) 2 B) 3 C) 1,5 D) 4
1477. 2.8-1 file-» 6 - 5 - - (14121)
 $\begin{cases} x^2 + y^2 + xy = 7 \\ x + y = 3, \quad 2 \cdot x \cdot y = ? \end{cases}$
 A) 3 B) 1 C) 2 D) 4
1478. 2.8-1 file-» 23 - 2 - - (36455)
 $\begin{cases} x + 2 = 0 \\ x^2 y = 8 \end{cases}$ tenglamalar sistemasini eching.
 A) (-2; -2) B) (-2; 2) C) (-2; 2), (-2; -2) D) \emptyset
1479. 2.8-1 file-» 23 - 3 - - (36515)
 $\begin{cases} y + 4 = 2 \\ xy^2 = 4 \end{cases}$ tenglamalar sistemasini eching.
A) (1; -2) B) (-1; -2) C) \emptyset
 D) (-1; -2); (1; -2)
1480. 2.8-1 file-» 23 - 4 - - (36573)
 $\begin{cases} x^2 - y^2 + 2x - 4 = 0 \\ x + y = 0 \end{cases}$ tenglamalar sistemasini eching.
 A) (2; 2) B) (-2; -2) C) (-1; -1) D) (2; -2)
1481. 2.8-1 file-» 17 - 3 - - 11 (98391)
 $\begin{cases} x + y = 6, \\ x^2 - y^2 = 12. \quad y-? \end{cases}$
A) 2 B) 4 C) 1 D) 3
1482. 2.8-1 file-» 17 - 3 - - 11 (98393)
 $\begin{cases} x^2 + y^2 - xy = 1, \quad 2xy = ? \\ x + y = -2. \end{cases}$
 A) 1 B) -1 C) 2 D) -3
1483. 2.8-1 file-» 17 - 3 - - 11 (98394)
 $\begin{cases} x + 3 = 0 \\ xy^2 = 12 \end{cases}$ tenglamalar sistemasini eching.
 A) (-3; 2) B) (-3; -2) C) \emptyset
 D) (-3; -2), (-3; 2)
1484. 2.8-1 file-» 17 - 3 - - (98395)
 $\begin{cases} y + 2 = 0 \\ x^2 y = 18 \end{cases}$ tenglamalar sistemasini eching.
 A) (-3; -2) B) (-3; 2) C) (-3; -2), (3; -2) D) \emptyset
1485. 2.8-1 file-» 6 - 3 - - (315290)
 $\begin{cases} x + y = 3 \\ x^2 - y^2 = -6, \quad y-? \end{cases}$
 A) 0,5 B) 2,5 C) 3 D) 1
1486. 2.8-1 file-» 6 - 4 - - (315291)
 $\begin{cases} x^2 + y^2 = 5 \\ x - y = 1, \quad 2 \cdot x \cdot y = ? \end{cases}$
 A) 2 B) 3 C) 1,5 D) 4
1487. 2.8-1 file-» 6 - 5 - - (315292)
 $\begin{cases} x^2 + y^2 + xy = 7 \\ x + y = 3, \quad 2 \cdot x \cdot y = ? \end{cases}$
 A) 3 B) 1 C) 2 D) 4
1488. 2.8-1 file-» 23 - 2 - - (315293)
 $\begin{cases} x + 2 = 0 \\ x^2 y = 8 \end{cases}$ tenglamalar sistemasini yeching.
 A) (-2; -2) B) (-2; 2) C) (-2; 2), (-2; -2) D) \emptyset
1489. 2.8-1 file-» 23 - 3 - - (315294)
 $\begin{cases} y + 4 = 2 \\ xy^2 = 4 \end{cases}$ tenglamalar sistemasini yeching.
A) (1; -2) B) (-1; -2) C) \emptyset
 D) (-1; -2); (1; -2)
1490. 2.8-1 file-» 23 - 4 - - (315295)
 $\begin{cases} x^2 - y^2 + 2x - 4 = 0 \\ x + y = 0 \end{cases}$ tenglamalar sistemasini yeching.
 A) (2; 2) B) (-2; -2) C) (-1; -1) D) (2; -2)
1491. 2.8-1 file-» 17 - 3 - - 11 (315296)
 $\begin{cases} x + y = 6, \\ x^2 - y^2 = 12. \quad y-? \end{cases}$
A) 2 B) 4 C) 1 D) 3
1492. 2.8-1 file-» 17 - 3 - - 11 (315297)
 $\begin{cases} x^2 + y^2 - xy = 1, \quad 2xy = ? \\ x + y = -2. \end{cases}$
 A) 1 B) -1 C) 2 D) -3

1493. 2.8-1 file-» 17 - 3 - - 11 (315298)
 $\begin{cases} x + 3 = 0 \\ xy^2 = 12 \end{cases}$ tenglamalar sistemasining yechimini toping.
 A) $(-3; 2)$ B) $(-3; -2)$ **C) \emptyset**
 D) $(-3; -2), (-3; 2)$
1494. 2.8-1 file-» 17 - 3 - - (315299)
 $\begin{cases} y + 2 = 0 \\ x^2y = 18 \end{cases}$ tenglamalar sistemasining yechimini toping.
 A) $(-3; -2)$ B) $(-3; 2)$
 C) $(-3; -2), (3; -2)$ **D) \emptyset**
1495. 2.8-1 file-» 12 - 1 - - (315300)
 Raqamlarining yig'indisidan 8 marta katta, raqamlari kvadratlarining yig'indisi esa 53 ga teng bo'lgan ikki xonali sonning kvadratini toping.
A) 5184 B) 729 C) 529 D) 6561
1496. 2.8-1 file-» 23 - 13 - - 10 (315301)
 Agar $m - n = (4x + y)^2$ va $n - m = (4x - y - 24)^2$ bo'lsa, $y - x$ ning qiymatini hisoblang.
 A) -9 B) -6 **C) -15** D) 9
1497. 2.8-1 file-» 23 - 13 - - 10 (315302)
 Agar $x^2y + xy^2 = 12$ va $x^2y - xy^2 = 84$ bo'lsa, $\frac{y}{x}$ ning qiymatini hisoblang.
 A) 1 B) $\frac{1}{4}$ **C) $-\frac{3}{4}$** D) $-\frac{1}{2}$
1498. 2.8-1 file-» 12 - 2 - - 7 (315303)
 Ikki xonali son o'zining raqamlari yig'indisidan 4 marta katta. Raqamlari kvadratlarining yig'indisi 80 ga teng. Shu ikki xonali sonning kvadratini hisoblang.
 A) 7056 B) 196 **C) 2304** D) 169
1499. 2.8-1 file-» 23 - 17 - - 7 (315304)
 Agar $\begin{cases} (x - 2)^2 + |y - 1| = 4 \\ |x - 2| + |y - 1| = 2 \end{cases}$ bo'lsa, $x - y$ ning qiymatini toping.
A) 3 yoki -1 B) 0 yoki 4 C) -2 yoki 4
 D) 1 yoki 5
1500. 2.8-1 file-» 19 - 3 - - 9 (315305)
 Agar $\begin{cases} x - y = 27, \\ \sqrt{x} - \sqrt{y} = 3 \end{cases}$ bo'lsa, $x + 2y$ ning qiymatini toping.
A) 54 B) 72 C) 63 D) 45
1501. 2.8-1 file-» 22 - 20 - - 6 (315306)
 Agar $\sqrt{3x^2 - 6x + 16} = 2x - 1$ bo'lsa, $x^2(4 - x)$ ning qiymatini toping.
A) 9 B) 65 C) -65 D) 54
1502. 2.8-1 file-» 19 - 4 - - 3 (315307)
 a ning qanday qiymatida faqat bitta $(x; y)$ juftlik $\begin{cases} x + y = a \\ xy = 0, 25 \end{cases}$ tenglamalar sistemasini qanoatlantiradi?
A) $-1; 1$ B) $\frac{1}{2}; -\frac{1}{2}$ C) -3 D) $-3; 3$
1503. 2.8-1 file-» 19 - 4 - - 3 (315308)
 $x^2 + 5x - \sqrt{x^2 + 5x + 25} = 17$ tenglamaning ildizlari ko'paytmasini toping.
A) -24 B) 12 C) -16 D) -8
1504. 2.8-1 file-» 2 - 5 - - 5 (315309)
 Ikki sonning o'rta arifmetigi 16 ga, kvadratlarining ayirmasi 192 ga teng. Shu ikki son kvadratlarining yig'indisini toping.
 A) 514 B) 520 **C) 530** D) 544
1505. 2.8-1 file-» 2 - 42 - - 5 (315310)
 $14 - \sqrt{x^2 - 3x + 6} = x^2 - 3x$ tenglama ildizlarining yig'indisini toping.
 A) 5 B) 6 C) 7 **D) 3**
1506. 2.8-1 file-» 22 - 23 - - 6 (315311)
 Agar $y - x = 2$ va $a > 0$ bo'lsa, $\begin{cases} y^2 - x^2 = 6a \\ y + x = 1, 5a^2 \end{cases}$ tenglamalar sistemasini yeching.
 A) $(5; 7)$ B) $(7; 9)$ C) $(4; 6)$ **D) $(2; 4)$**
1507. 2.8-1 file-» 19 - 8 - - 6 (315312)
 $\begin{cases} x^3 + y^3 = 126 \\ x^2y + xy^2 = 30 \end{cases}$ tenglamalar sistemasining haqiqiy yechimlaridan iborat barcha x va y larning yig'indisini toping.
A) 12 B) 2 C) 6 D) 10
1508. 2.8-1 file-» 31 - 2 - - 5 (315313)
 Agar $\begin{cases} x + y - \sqrt{xy} = 13 \\ x^2 + y^2 + xy = 481 \end{cases}$ bo'lsa, \sqrt{xy} ning qiymatini toping.
 A) 36 B) 42 **C) 12** D) 52
1509. 2.8-1 file-» 32 - 1 - - (315314)
 $(x - 2)x(x - 3)(x + 1) = 40$ tenglama haqiqiy ildizlarining yig'indisini toping.
 A) 5 **B) 2** C) -1 D) -4
1510. 2.8-1 file-» 5 - 10 - - (401846)
 Agar $\begin{cases} \sqrt{x} + \sqrt{y} = 6 \\ \sqrt{xy} = 8 \end{cases}$ bo'lsa, $x + y$ ni toping.
 A) 17 B) 18 **C) 20** D) 16
1511. 2.8-1 file-» 5 - 7 - - (401847)
 Agar $\begin{cases} \sqrt{x} + \sqrt{y} = 9 \\ \sqrt{xy} = 20 \end{cases}$ bo'lsa, $x + y$ ni toping.
A) 41 B) 23 C) 24 D) 25

1512. 2.8-1 file-» 23 - 3 - - (401848)
 Agar $(x - 16)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ nechaga teng?
 A) 0 yoki 8 B) 4 C) 6 **D) 12 yoki 20**
1513. 2.8-1 file-» 12 - 1 - - (401849)
 Agar $\begin{cases} x^2 - 2xy + y^2 = \frac{484}{9} \\ xy = \frac{23}{9} \end{cases}$ bo'lsa, $|x + y|$ ni hisoblang.
 A) 7 B) 6 C) 5 **D) 8**
1514. 2.8-1 file-» 13 - 3 - - (401850)
 Agar $x^2 + y^2 = \frac{50}{9}$ va $x^2 - y^2 = \frac{16}{3}$ bo'lsa, $|x| - |y|$ ni toping.
 A) 3 B) 4 **C) 2** D) 6
1515. 2.8-1 file-» 13 - 4 - - (401851)
 Agar $x^2 + y^2 = 160$ va $x - y = 8$ bo'lsa, xy qanchaga teng bo'ladi?
 A) 56 **B) 48** C) 24 D) 40
1516. 2.8-1 file-» 16 - 1 - - (401852)
 Agar $x - y = 4$ va $xy = 12$ bo'lsa, $x^3y + xy^3$ ning qiymati qancha bo'ladi?
A) 480 B) 460 C) 380 D) 216
1517. 2.8-1 file-» 16 - 1 - - (401853)
 Agar x va z orasida $x^2 + z^2 + 3x + 4z + 6\frac{1}{4} = 0$ munosabat o'rinli bo'lsa, $x \cdot z$ ning qiymati qancha bo'ladi?
 A) 12,25 **B) 3** C) 8 D) 1
1518. 2.8-1 file-» 16 - 2 - - (401854)
 $x + y = \sqrt{2 + \sqrt{31}}$; $xy = 1$.
 $x^5y + xy^5 = ?$
 A) 47 **B) 29** C) 51 D) 24
1519. 2.8-1 file-» 16 - 6 - - 4 (401855)
 $(81 - x^2)\sqrt{x - 4} = 0$ tenglamaning ildizlari yig'indisini toping.
 A) -5 **B) 13** C) 0 D) 4
1520. 2.8-1 file-» 19 - 3 - - 9 (401856)
 $\frac{2}{x - 3} = \frac{x + 9}{x^2 - 9}$ tenglamani yeching.
A) \emptyset B) 2 C) 1 D) -1
1521. 2.8-1 file-» 19 - 3 - - 9 (401857)
 Kvadrat shaklidagi tunukadan eni 3 ga teng bo'lgan qismi qirib olindi. Agar qolgan qismining yuzi 108 ga teng bo'lsa, kvadratning tomonini aniqlang.
A) 12 B) 11 C) 8 D) 13
1522. 2.8-1 file-» 29 - 1 - - 12 (401858)
 Agar $\begin{cases} x^2 + y^2 = 89 \\ x + y = 3 \end{cases}$ bo'lsa, $|x - y|$ ning qiymatini toping.
 A) 11 **B) 13** C) 6 D) 14
1523. 2.8-1 file-» 2 - 7 - - 1 (401859)
 $(x^2 - 64)\sqrt{x - 1} = 0$ tenglamaning ildizlari yig'indisini hisoblang.
 A) 1 B) -1 C) 3 **D) 9**
1524. 2.8-1 file-» 55 - 1 - - (401860)
 $\begin{cases} \frac{1}{x} + \frac{3}{y} = \frac{5}{2} \\ xy = 3 \end{cases}$, dan x ni toping.
 A) 1 B) $3\frac{1}{3}$ C) -1 **D) $2\frac{1}{2}$**
1525. 2.8-2 file-» 50 - 135 - - (704294)
 Agar $x - y = 1$ va $xy = 6$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.
 A) 178 B) 98 **C) 78** D) 88
1526. 2.8-2 file-» 50 - 135 - - (704295)
 Agar $x - y = 3$ va $xy = 4$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.
 A) 78 B) 168 C) 88 **D) 68**
1527. 2.8-2 file-» 50 - 135 - - (704296)
 Agar $x - y = 7$ va $xy = -6$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.
A) -222 B) -212 C) -122 D) -202
1528. 2.8-2 file-» 50 - 135 - - (704297)
 Agar $x - y = 4$ va $xy = 12$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.
 A) 460 **B) 480** C) 470 D) 380
1529. 2.8-2 file-» 50 - 135 - - (704298)
 Agar $x - y = 3$ va $xy = 18$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.
 A) 710 B) 790 **C) 810** D) 800
1530. 2.8-2 file-» 50 - 135 - - (704299)
 Agar $x - y = 7$ va $xy = -10$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.
 A) -300 B) -390 C) -310 **D) -290**
1531. 2.8-2 file-» 50 - 135 - - (704300)
 Agar $x - y = 5$ va $x^2 + y^2 = 13$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 1 B) 5 C) 11 D) 15
1532. 2.8-2 file-» 50 - 135 - - (704301)
 Agar $x^2 + y^2 = 17$ va $x - y = 5$ bo'lsa, $|x + y|$ ning qiymatini toping.
 A) 15 **B) 3** C) 5 D) 13

1533. 2.8-2 file-» 50 - 135 - - (704302)
 Agar $x - y = 7$ va $x^2 + y^2 = 37$ bo'lsa, $|x + y|$ ning qiymatini toping.
 A) 15 B) 17 **C) 5** D) 7
1534. 2.8-2 file-» 50 - 135 - - (704303)
 Agar $x - y = 4$ va $x^2 + y^2 = 40$ bo'lsa, $|x + y|$ ning qiymatini toping.
 A) 4 B) 18 C) 14 **D) 8**
1535. 2.8-2 file-» 50 - 135 - - (704304)
 Agar $x - y = 3$ va $x^2 + y^2 = 45$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 9 B) 3 C) 19 D) 13
1536. 2.8-2 file-» 50 - 135 - - (704305)
 Agar $x - y = 7$ va $x^2 + y^2 = 29$ bo'lsa, $|x + y|$ ning qiymatini toping.
 A) 17 **B) 3** C) 7 D) 13
1537. 2.8-2 file-» 50 - 135 - - (704306)
 Agar $x^2 + y^2 = 13$ va $xy = -6$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 1 B) 5 C) 2 D) 3
1538. 2.8-2 file-» 50 - 135 - - (704307)
 Agar $x^2 + y^2 = 17$ va $xy = -4$ bo'lsa, $|x + y|$ ning qiymatini toping.
 A) 5 **B) 3** C) 4 D) 1
1539. 2.8-2 file-» 50 - 135 - - (704308)
 Agar $x^2 + y^2 = 37$ va $xy = -6$ bo'lsa, $|x + y|$ ning qiymatini toping.
 A) 2 B) 7 **C) 5** D) 6
1540. 2.8-2 file-» 50 - 135 - - (704309)
 Agar $x^2 + y^2 = 40$ va $xy = 12$ bo'lsa, $|x + y|$ ning qiymatini toping.
 A) 4 B) 5 C) 10 **D) 8**
1541. 2.8-2 file-» 50 - 135 - - (704310)
 Agar $x^2 + y^2 = 45$ va $xy = 18$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 9 B) 3 C) 6 D) 11
1542. 2.8-2 file-» 50 - 135 - - (704311)
 Agar $x^2 + y^2 = 29$ va $xy = -10$ bo'lsa, $|x + y|$ ning qiymatini toping.
 A) 5 **B) 3** C) 7 D) 1
1543. 2.8-2 file-» 50 - 135 - - (704312)
 Agar $(x - 49)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
 A) 61 B) 35 yoki 63 **C) 42 yoki 56**
 D) 37
1544. 2.8-2 file-» 50 - 135 - - (704313)
 Agar $(x - 64)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
 A) 50 B) 78 C) 48 yoki 80
D) 56 yoki 72
1545. 2.8-2 file-» 50 - 135 - - (704314)
 Agar $(x - 81)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
A) 72 yoki 90 B) 65 C) 97
 D) 63 yoki 99
1546. 2.8-2 file-» 50 - 135 - - (704315)
 Agar $(x - 100)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
 A) 80 yoki 120 **B) 90 yoki 110** C) 82
 D) 118
1547. 2.8-2 file-» 50 - 135 - - (704316)
 Agar $(x - 121)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
 A) 141 B) 99 yoki 143 **C) 110 yoki 132**
 D) 101
1548. 2.8-2 file-» 50 - 135 - - (704317)
 Agar $(x - 144)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
 A) 122 B) 166 C) 120 yoki 168
D) 132 yoki 156
1549. 2.8-2 file-» 50 - 135 - - (704318)
 Agar $\sqrt{x} + \sqrt{y} = 17$ va $\sqrt{xy} = 72$ bo'lsa, $|x - y|$ ning qiymatini toping.
 A) 15 B) 142 **C) 17** D) 145
1550. 2.8-2 file-» 50 - 135 - - (704319)
 Agar $\sqrt{x} + \sqrt{y} = 19$ va $\sqrt{xy} = 90$ bo'lsa, $|x - y|$ ning qiymatini toping.
 A) 181 B) 17 C) 178 **D) 19**
1551. 2.8-2 file-» 50 - 135 - - (704320)
 Agar $\sqrt{x} + \sqrt{y} = 21$ va $\sqrt{xy} = 110$ bo'lsa, $|x - y|$ ning qiymatini toping.
A) 21 B) 221 C) 19 D) 218
1552. 2.8-2 file-» 50 - 135 - - (704321)
 Agar $\sqrt{x} + \sqrt{y} = 23$ va $\sqrt{xy} = 132$ bo'lsa, $|x - y|$ ning qiymatini toping.
 A) 262 **B) 23** C) 265 D) 21
1553. 2.8-2 file-» 50 - 135 - - (704322)
 Agar $\sqrt{x} + \sqrt{y} = 25$ va $\sqrt{xy} = 156$ bo'lsa, $|x - y|$ ning qiymatini toping.
 A) 23 B) 310 **C) 25** D) 313

1554. 2.8-2 file-» 50 - 135 - - (704323)
 Agar $\sqrt{x} + \sqrt{y} = 27$ va $\sqrt{xy} = 182$ bo'lsa, $|x - y|$ ning qiymatini toping.
 A) 365 B) 25 C) 362 **D) 27**
1555. 2.8-2 file-» 51 - 2 - - (719324)

$$\begin{cases} x^2 + y^2 = 74 \\ x \cdot y = 35 \end{cases}$$
 tenglamalar sistemasining nechta yechimi bor?
 A) 2 B) 1 C) 0 **D) 4**
1556. 2.8-2 file-» 50 - 140 - - (719325)
 Agar $x - y = -3$ va $xy = 4$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.
 A) 48 **B) 68** C) 58 D) -32
1557. 2.8-2 file-» 50 - 140 - - (719326)
 Agar $x - y = -4$ va $xy = 5$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.
 A) 230 B) 150 **C) 130** D) 140
1558. 2.8-2 file-» 50 - 140 - - (719327)
 Agar $x - y = -5$ va $xy = 6$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.
 A) 232 B) 322 C) 242 **D) 222**
1559. 2.8-2 file-» 50 - 140 - - (719328)
 Agar $x - y = -6$ va $xy = 7$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.
A) 350 B) 340 C) 250 D) 330
1560. 2.8-2 file-» 50 - 140 - - (719329)
 Agar $x - y = -2$ va $xy = 8$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.
 A) 140 **B) 160** C) 150 D) 60
1561. 2.8-2 file-» 50 - 140 - - (719330)
 Agar $x - y = -3$ va $xy = 10$ bo'lsa, $x^3y + xy^3$ ning qiymatini toping.
 A) 390 B) 310 **C) 290** D) 300
1562. 2.8-2 file-» 50 - 140 - - (719331)
 Agar $x - y = -3$ va $x^2 + y^2 = 17$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 5 B) 3 C) 15 D) 7
1563. 2.8-2 file-» 50 - 140 - - (719332)
 Agar $x - y = -4$ va $x^2 + y^2 = 26$ bo'lsa, $|x + y|$ ning qiymatini toping.
 A) 5 **B) 6** C) 4 D) 16
1564. 2.8-2 file-» 50 - 140 - - (719333)
 Agar $x - y = -5$ va $x^2 + y^2 = 37$ bo'lsa, $|x + y|$ ning qiymatini toping.
 A) 17 B) 5 **C) 7** D) 6
1565. 2.8-2 file-» 50 - 140 - - (719334)
 Agar $x - y = -6$ va $x^2 + y^2 = 50$ bo'lsa, $|x + y|$ ning qiymatini toping.
 A) 6 B) 18 C) 4 **D) 8**
1566. 2.8-2 file-» 50 - 140 - - (719335)
 Agar $x - y = -2$ va $x^2 + y^2 = 20$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 6 B) 2 C) 16 D) 8
1567. 2.8-2 file-» 50 - 140 - - (719336)
 Agar $x - y = -3$ va $x^2 + y^2 = 29$ bo'lsa, $|x + y|$ ning qiymatini toping.
 A) 5 **B) 7** C) 3 D) 17
1568. 2.8-2 file-» 50 - 140 - - (719337)
 Agar $x^2 + y^2 = 17$ va $xy = 4$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 5 B) 3 C) 2 D) 7
1569. 2.8-2 file-» 50 - 140 - - (719338)
 Agar $x^2 + y^2 = 26$ va $xy = 5$ bo'lsa, $|x + y|$ ning qiymatini toping.
 A) 8 **B) 6** C) 4 D) 3
1570. 2.8-2 file-» 50 - 140 - - (719339)
 Agar $x^2 + y^2 = 37$ va $xy = 6$ bo'lsa, $|x + y|$ ning qiymatini toping.
 A) 4 B) 9 **C) 7** D) 5
1571. 2.8-2 file-» 50 - 140 - - (719340)
 Agar $x^2 + y^2 = 50$ va $xy = 7$ bo'lsa, $|x + y|$ ning qiymatini toping.
 A) 6 B) 5 C) 10 **D) 8**
1572. 2.8-2 file-» 50 - 140 - - (719341)
 Agar $x^2 + y^2 = 20$ va $xy = 8$ bo'lsa, $|x + y|$ ning qiymatini toping.
A) 6 B) 2 C) 3 D) 8
1573. 2.8-2 file-» 50 - 140 - - (719342)
 Agar $x^2 + y^2 = 29$ va $xy = 10$ bo'lsa, $|x + y|$ ning qiymatini toping.
 A) 9 **B) 7** C) 3 D) 4
1574. 2.8-2 file-» 50 - 140 - - (719343)
 Agar $(x - 1)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
 A) -1 yoki 3 **B) 0 yoki 2** C) 1 D) 3
1575. 2.8-2 file-» 50 - 140 - - (719344)
 Agar $(x - 4)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
 A) 6 B) 0 yoki 8 **C) 2 yoki 6** D) 2

1576. 2.8-2 file-» 50 - 140 - - (719345)
 Agar $(x - 9)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
 A) 5 B) 13 C) 3 yoki 15 **D) 6 yoki 12**
1577. 2.8-2 file-» 50 - 140 - - (719346)
 Agar $(x - 16)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
A) 12 yoki 20 B) 10 C) 22
 D) 8 yoki 24
1578. 2.8-2 file-» 50 - 140 - - (719347)
 Agar $(x - 25)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
 A) 15 yoki 35 **B) 20 yoki 30** C) 17
 D) 33
1579. 2.8-2 file-» 50 - 140 - - (719348)
 Agar $(x - 36)^2 + (x - y^2)^2 = 0$ bo'lsa, $x + y$ ning qiymatini toping.
 A) 46 B) 24 yoki 48 **C) 30 yoki 42**
 D) 26
1580. 2.8-2 file-» 50 - 140 - - (719349)
 Agar $\sqrt{x} + \sqrt{y} = 5$ va $\sqrt{xy} = 6$ bo'lsa, $|x - y|$ ning qiymatini toping.
A) 5 B) 13 C) 3 D) 10
1581. 2.8-2 file-» 50 - 140 - - (719350)
 Agar $\sqrt{x} + \sqrt{y} = 7$ va $\sqrt{xy} = 12$ bo'lsa, $|x - y|$ ning qiymatini toping.
 A) 22 **B) 7** C) 25 D) 5
1582. 2.8-2 file-» 50 - 140 - - (719351)
 Agar $\sqrt{x} + \sqrt{y} = 9$ va $\sqrt{xy} = 20$ bo'lsa, $|x - y|$ ning qiymatini toping.
 A) 7 B) 38 **C) 9** D) 41
1583. 2.8-2 file-» 50 - 140 - - (719352)
 Agar $\sqrt{x} + \sqrt{y} = 11$ va $\sqrt{xy} = 30$ bo'lsa, $|x - y|$ ning qiymatini toping.
 A) 61 B) 9 C) 58 **D) 11**
1584. 2.8-2 file-» 50 - 140 - - (719353)
 Agar $\sqrt{x} + \sqrt{y} = 13$ va $\sqrt{xy} = 42$ bo'lsa, $|x - y|$ ning qiymatini toping.
A) 13 B) 85 C) 11 D) 82
1585. 2.8-2 file-» 50 - 140 - - (719354)
 Agar $\sqrt{x} + \sqrt{y} = 15$ va $\sqrt{xy} = 56$ bo'lsa, $|x - y|$ ning qiymatini toping.
 A) 110 **B) 15** C) 113 D) 13
1586. 2.8-3 file-» 12 - 1 - - (56532)
 Raqamlarining yiğindisidan 8 marra katta, raqamlari kvadratlarining yiğindisi esa 53 ga teng бўлган икки хонали соннинг квадрати топинг.
A) 5184 B) 729 C) 529 D) 6561
1587. 2.8-3 file-» 23 - 13 - - 10 (71085)
 Agar $m - n = (4x + y)^2$ va $n - m = (4x - y - 24)^2$ бўлса, $y - x$ ning қийматини ҳисобланг.
 A) -9 B) -6 **C) -15** D) 9
1588. 2.8-3 file-» 23 - 13 - - 10 (71099)
 Agar $x^2y + xy^2 = 12$ va $x^2y - xy^2 = 84$ бўлса, $\frac{y}{x}$ ning қийматини ҳисобланг.
 A) 1 B) $\frac{1}{4}$ **C) $-\frac{3}{4}$** D) $-\frac{1}{2}$
1589. 2.8-3 file-» 12 - 2 - - 7 (71822)
 Икки хонали сон ўзининг рақамлари йиғиндисидан 4 марта катта. Рақамлари квадратларининг йиғиндиси 80 га тенг. Шу икки хонали соннинг квадрати ҳисобланг.
 A) 7056 B) 196 **C) 2304** D) 169
1590. 2.8-3 file-» 23 - 17 - - 7 (94283)
 Agar $\begin{cases} (x - 2)^2 + |y - 1| = 4 \\ |x - 2| + |y - 1| = 2 \end{cases}$ бўлса, $x - y$ ning қийматини топинг.
A) 3 ёки -1 B) 0 ёки 4 C) -2 ёки 4
 D) 1 ёки 5
1591. 2.8-3 file-» 19 - 3 - - 9 (94586)
 Agar $\begin{cases} x - y = 27, \\ \sqrt{x} - \sqrt{y} = 3 \end{cases}$ бўлса, $x + 2y$ ning қийматини топинг.
A) 54 B) 72 C) 63 D) 45
1592. 2.8-3 file-» 22 - 20 - - 6 (96078)
 Agar $\sqrt{3x^2 - 6x + 16} = 2x - 1$ бўлса, $x^2(4 - x)$ ning қийматини топинг.
A) 9 B) 65 C) -65 D) 54
1593. 2.8-3 file-» 19 - 4 - - 3 (105481)
 a ning қандай қийматида фақат битта $(x; y)$ жуфтлик $\begin{cases} x + y = a \\ xy = 0, 25 \end{cases}$ тенгламалар системасини қаноатлантиради?
A) -1; 1 B) $\frac{1}{2}; -\frac{1}{2}$ C) -3 D) -3; 3
1594. 2.8-3 file-» 19 - 4 - - 3 (105483)
 $x^2 + 5x - \sqrt{x^2 + 5x + 25} = 17$ тенгламанинг илдизлари қўпайтмасини топинг.
A) -24 B) 12 C) -16 D) -8
1595. 2.8-3 file-» 2 - 5 - - 5 (110074)
 Икки соннинг ўрта арифметиғи 16 га, квадратларининг айирмаси 192 га тенг. Шу икки сон квадратларининг йиғиндисини топинг.
 A) 514 B) 520 **C) 530** D) 544

1596. 2.8-3 file-» 2 - 42 - - 5 (131700)
 $14 - \sqrt{x^2 - 3x + 6} = x^2 - 3x$ тенглама
 илдиэларининг йиғиндисини топинг.
 A) 5 B) 6 C) 7 **D) 3**
1597. 2.8-3 file-» 22 - 23 - - 6 (134301)
 Агар $y - x = 2$ ва $a > 0$ бўлса, $\begin{cases} y^2 - x^2 = 6a \\ y + x = 1, 5a^2 \end{cases}$
 тенгламалар системасини ечинг.
 A) (5; 7) B) (7; 9) C) (4; 6) **D) (2; 4)**
1598. 2.8-3 file-» 19 - 8 - - 6 (141367)
 $\begin{cases} x^3 + y^3 = 126 \\ x^2y + xy^2 = 30 \end{cases}$ тенгламалар системасининг
 ҳақиқий ечимларидан иборат барча x ва y
 ларнинг йиғиндисини топинг.
A) 12 B) 2 C) 6 D) 10
1599. 2.8-3 file-» 31 - 2 - - 5 (146247)
 Агар $\begin{cases} x + y - \sqrt{xy} = 13 \\ x^2 + y^2 + xy = 481 \end{cases}$ бўлса, \sqrt{xy} нинг
 қийматини топинг.
 A) 36 B) 42 **C) 12** D) 52
1600. 2.8-3 file-» 32 - 1 - - (173871)
 $(x - 2)x(x - 3)(x + 1) = 40$ тенглама ҳақиқий
 илдиэларининг йиғиндисини топинг.
 A) 5 **B) 2** C) -1 D) -4
1601. 2.9-1 file-» 5 - 3 - - 3 (719355)
 $(x + 3)(x - 2) < 0$ тенгсизликни yeching.
 A) $(-\infty; 2) \cup (3; \infty)$ B) $(-\infty; -3) \cup (2; \infty)$
 C) $(-\infty; -2) \cup (3; \infty)$ **D) (-3; 2)**
1602. 2.9-1 file-» 5 - 4 - - 2 (719356)
 $(x + 2)(x - 3) < 0$ тенгсизликни yeching.
A) (-2; 3) B) $(-\infty; -3) \cup (2; \infty)$
 C) $(-3; -2)$ D) $(-\infty; -2) \cup (3; \infty)$
1603. 2.9-1 file-» 5 - 5 - - 2 (719357)
 $(x - 1)(x + 2) < 0$ тенгсизликни yeching.
 A) $(-\infty; 1) \cup (2; \infty)$ B) (1; 2)
 C) $(-\infty; -2) \cup (1; \infty)$ **D) (-2; 1)**
1604. 2.9-1 file-» 22 - 2 - - 2 (719358)
 $\begin{cases} 3 + 4x \geq 5 \\ 2x - 3(x - 1) \geq 1 \end{cases}$ тенгсизликлар системасининг
 бутун сонлардан иборат yechimlari nechta?
 A) 5 B) 3 C) 6 **D) 2**
1605. 2.9-1 file-» 5 - 10 - - 2 (719359)
 $\frac{x - 2}{x + 3} \leq 0$ тенгсизликни yeching.
 A) (-1; 2] B) [2; 3) C) [2; 3]
D) (-3; 2]
1606. 2.9-1 file-» 5 - 7 - - 2 (719360)
 $\frac{x - 1}{x + 3} < 0$ тенгсизликни yeching.
A) (-3; 1) B) [1; 3) C) (1; 3)
 D) (-2; 1)
1607. 2.9-1 file-» 13 - 3 - - 2 (719361)
 $\frac{x^2 - 2x + 3}{x + 2} \geq 0$ тенгсизликни yeching.
A) (-2; \infty) B) [2; \infty) C) $(-\infty; 2)$
 D) $(-\infty; 2]$
1608. 2.9-1 file-» 23 - 9 - - 2 (719362)
 Агар $a > b$ ва $ab \neq 0$ бўлса, quyidagi
 тенгсизliklardan qaysi biri har doim o'rinli?
 A) $\frac{1}{a} > \frac{1}{b}$ B) $a^2 > b^2$ **C) $3a < 4a - b$**
 D) $2a > 3a - b$
1609. 2.9-1 file-» 5 - 11 - - 2 (719363)
 $16x^2 - 8x + 3 > 0$ тенгсизликни yeching.
 A) \emptyset B) $[0; \infty)$ **C) $(-\infty; \infty)$**
 D) $(-\infty; 0)$
1610. 2.9-1 file-» 5 - 12 - - 2 (719364)
 $\sqrt{8x - 3} < -2$ тенгсизликни yeching.
 A) $x < 4$ **B) $x \in \emptyset$** C) $x > \frac{8}{3}$ D) $x > 4$
1611. 2.9-1 file-» 51 - 1 - - (719365)
 c ning qanday qiymatlarida $x^2 - 6x + c < 0$
 тенгсизlikning yechimi (2; 4) oraliqdan iborat
 bo'ladi?
A) 8 B) -6 C) -8 D) 6
1612. 2.9-1 file-» 51 - 2 - - (719366)
 Агар $a < b$ бўлса, quyida keltirilgan
 тенгсизliklardan qaysi biri noto'g'ri?
 A) $a + 3 < b + 5$ **B) $2 - a < 1 - b$**
 C) $a - 2 < b + 3$ D) $a - 2 < b + 4$
1613. 2.9-1 file-» 51 - 2 - - (719367)
 Агар, $a < b$ бўлса, quyida keltirilganlardan qaysi
 biri doimo o'rinli bo'ladi?
 1) $a - 3 < b - 2$; 2) $12a < 11b$;
 3) $-3, 3a > -3, 3b$
 A) 2; 3 **B) 1; 3** C) 1; 2 D) 1; 2; 3
1614. 2.9-2 file-» 50 - 147 - - (704324)
 $x + 6 < -\frac{4}{x + 2}$ тенгсизlikni yeching.
A) $(-\infty; -4) \cup (-4; -2)$ B) $(-\infty; -2)$
 C) $(-2; \infty)$ D) $(-4; -2) \cup (-2; \infty)$
1615. 2.9-2 file-» 50 - 147 - - (704325)
 $x + 9 < -\frac{16}{x + 1}$ тенгсизlikni yeching.
 A) $(-5; -1) \cup (-1; \infty)$
B) $(-\infty; -5) \cup (-5; -1)$ C) $(-\infty; -1)$
 D) $(-1; \infty)$

1616. 2.9-2 file-» 50 - 147 - - (704326)
 $x + 12 < -\frac{36}{x}$ tengsizlikni yeching.
 A) $(0; \infty)$ B) $(-6; 0) \cup (0; \infty)$
C) $(-\infty; -6) \cup (-6; 0)$ D) $(-\infty; 0)$
1617. 2.9-2 file-» 50 - 147 - - (704327)
 $x + 15 < -\frac{64}{x-1}$ tengsizlikni yeching.
 A) $(-\infty; 1)$ B) $(1; \infty)$
 C) $(-7; 1) \cup (1; \infty)$
D) $(-\infty; -7) \cup (-7; 1)$
1618. 2.9-2 file-» 50 - 147 - - (704328)
 $x + 18 < -\frac{100}{x-2}$ tengsizlikni yeching.
A) $(-\infty; -8) \cup (-8; 2)$ B) $(-\infty; 2)$
 C) $(2; \infty)$ D) $(-8; 2) \cup (2; \infty)$
1619. 2.9-2 file-» 50 - 147 - - (704329)
 $x + 21 < -\frac{144}{x-3}$ tengsizlikni yeching.
 A) $(-9; 3) \cup (3; \infty)$
B) $(-\infty; -9) \cup (-9; 3)$ C) $(-\infty; 3)$
 D) $(3; \infty)$
1620. 2.9-2 file-» 50 - 147 - - (704330)
 $x + 24 < -\frac{196}{x-4}$ tengsizlikni yeching.
 A) $(4; \infty)$ B) $(-10; 4) \cup (4; \infty)$
C) $(-\infty; -10) \cup (-10; 4)$ D) $(-\infty; 4)$
1621. 2.9-2 file-» 50 - 147 - - (704331)
 $x + 27 < -\frac{256}{x-5}$ tengsizlikni yeching.
 A) $(-\infty; 5)$ B) $(5; \infty)$
 C) $(-11; 5) \cup (5; \infty)$
D) $(-\infty; -11) \cup (-11; 5)$
1622. 2.9-2 file-» 50 - 147 - - (704332)
 $x + 30 < -\frac{324}{x-6}$ tengsizlikni yeching.
A) $(-\infty; -12) \cup (-12; 6)$ B) $(-\infty; 6)$
 C) $(6; \infty)$ D) $(-12; 6) \cup (6; \infty)$
1623. 2.9-2 file-» 50 - 147 - - (704333)
 $x + 33 < -\frac{400}{x-7}$ tengsizlikni yeching.
 A) $(-13; 7) \cup (7; \infty)$
B) $(-\infty; -13) \cup (-13; 7)$ C) $(-\infty; 7)$
 D) $(7; \infty)$
1624. 2.9-2 file-» 50 - 147 - - (704334)
 $x > -4 - \frac{4}{x+8}$ tengsizlikni yeching.
A) $(-8; -6) \cup (-6; \infty)$ B) $(-\infty; -8)$
 C) $(-8; \infty)$ D) $(-\infty; -8) \cup (-8; -6)$
1625. 2.9-2 file-» 50 - 147 - - (704335)
 $x > -1 - \frac{16}{x+9}$ tengsizlikni yeching.
 A) $(-\infty; -9) \cup (-9; -5)$
B) $(-9; -5) \cup (-5; \infty)$ C) $(-\infty; -9)$
 D) $(-9; \infty)$
1626. 2.9-2 file-» 50 - 147 - - (704336)
 $x > 2 - \frac{36}{x+10}$ tengsizlikni yeching.
 A) $(-10; \infty)$ B) $(-\infty; -10) \cup (-10; -4)$
C) $(-10; -4) \cup (-4; \infty)$ D) $(-\infty; -10)$
1627. 2.9-2 file-» 50 - 147 - - (704337)
 $x > 5 - \frac{64}{x+11}$ tengsizlikni yeching.
 A) $(-\infty; -11)$ B) $(-11; \infty)$
 C) $(-\infty; -11) \cup (-11; -3)$
D) $(-11; -3) \cup (-3; \infty)$
1628. 2.9-2 file-» 50 - 147 - - (704338)
 $x > 8 - \frac{100}{x+12}$ tengsizlikni yeching.
A) $(-12; -2) \cup (-2; \infty)$ B) $(-\infty; -12)$
 C) $(-12; \infty)$ D) $(-\infty; -12) \cup (-12; -2)$
1629. 2.9-2 file-» 50 - 147 - - (704339)
 $x > 11 - \frac{144}{x+13}$ tengsizlikni yeching.
 A) $(-\infty; -13) \cup (-13; -1)$
B) $(-13; -1) \cup (-1; \infty)$ C) $(-\infty; -13)$
 D) $(-13; \infty)$
1630. 2.9-2 file-» 50 - 147 - - (704340)
 $x > 14 - \frac{196}{x+14}$ tengsizlikni yeching.
 A) $(-14; \infty)$ B) $(-\infty; -14) \cup (-14; 0)$
C) $(-14; 0) \cup (0; \infty)$ D) $(-\infty; -14)$
1631. 2.9-2 file-» 50 - 147 - - (704341)
 $x > 17 - \frac{256}{x+15}$ tengsizlikni yeching.
 A) $(-\infty; -15)$ B) $(-15; \infty)$
 C) $(-\infty; -15) \cup (-15; 1)$
D) $(-15; 1) \cup (1; \infty)$
1632. 2.9-2 file-» 50 - 147 - - (704342)
 $x > 20 - \frac{324}{x+16}$ tengsizlikni yeching.
A) $(-16; 2) \cup (2; \infty)$ B) $(-\infty; -16)$
 C) $(-16; \infty)$ D) $(-\infty; -16) \cup (-16; 2)$
1633. 2.9-2 file-» 50 - 147 - - (704343)
 $x > 23 - \frac{400}{x+17}$ tengsizlikni yeching.
 A) $(-\infty; -17) \cup (-17; 3)$
B) $(-17; 3) \cup (3; \infty)$ C) $(-\infty; -17)$
 D) $(-17; \infty)$

1634. 2.9-2 file-» 51 - 1 - - (719368)
 $\sqrt{x^2 - 6x + 8} + \sqrt{3} > 0$ tengsizlikni yeching.
 A) $(-\infty; 1) \cup (5; \infty)$ B) $(-\infty; 2) \cup (4; \infty)$
C) $(-\infty; 2] \cup [4; \infty)$ D) $(-\infty; 1] \cup [5; \infty)$

1635. 2.9-2 file-» 51 - 1 - - (719369)
 $(x + 2)\sqrt{9 - x^2} < 0$ tengsizlikni yeching.
 A) $(-\infty; -2)$ **B) $(-3; -2)$** C) $(-\infty; -3)$
 D) $(-3; 3)$

1636. 2.9-2 file-» 51 - 1 - - (719370)
 $\frac{3x}{3x - 5} \leq \frac{9}{7 - x}$ tengsizlikni yeching.
 A) $\left[-5; \frac{5}{3}\right) \cup \left(\frac{5}{3}; 3\right]$ B) $\left(\frac{5}{3}; 3\right) \cup (3; 7)$
 C) $\left(-5; \frac{5}{3}\right) \cup \left(\frac{5}{3}; 7\right)$ **D) $\left[-5; \frac{5}{3}\right) \cup [3; 7)$**

1637. 2.9-2 file-» 51 - 1 - - (719371)
 $(x - 5)(x - 9)^2(x - 11) < 0$ tengsizlikni yeching.
 A) $(-\infty; 9)$ B) $(5; \infty)$
C) $(5; 9) \cup (9; 11)$ D) $(5; 11)$

1638. 2.9-2 file-» 51 - 1 - - (719372)
 x ning qanday eng katta butun qiymatida
 $\frac{\frac{1}{2}x^2 + 3}{x^2 - 9x + 14}$ ifoda manfiy qiymat qabul qiladi?
 A) 4 B) 8 C) 5 **D) 6**

1639. 2.9-2 file-» 51 - 1 - - (719373)
 $\frac{\sqrt{x} - 1}{(x + 2)(x - 5)} < 0$ tengsizlikni yeching.
 A) $(-2; 5)$ **B) $(1; 5)$** C) $(5; \infty)$
 D) $(1; \infty)$

1640. 2.9-2 file-» 51 - 1 - - (719374)
 $|3x - 1| \leq 5$ tengsizlikni yeching.
 A) $(-\infty; 2]$ B) $\left[-\frac{4}{3}; \infty\right)$ **C) $\left[-\frac{4}{3}; 2\right]$**
 D) $\left[\frac{4}{3}; 2\right]$

1641. 2.9-2 file-» 51 - 1 - - (719375)
 $\frac{4x + 3}{4 - 4x} \leq 2$ tengsizlikni yeching.
A) $\left(-\infty; \frac{5}{12}\right] \cup (1; \infty)$
 B) $\left(\frac{5}{12}; 1\right) \cup (1; \infty)$ C) $\left[\frac{5}{12}; \infty\right)$
 D) $\left(-\infty; \frac{5}{12}\right] \cup [1; \infty)$

1642. 2.9-2 file-» 51 - 2 - - (719376)
 $\frac{1}{3x + 4} \geq \frac{1}{3x - 2}$ tengsizlikni yeching.
A) $\left(-\frac{4}{3}; \frac{2}{3}\right)$ B) $\left(-\infty; -\frac{4}{3}\right)$
 C) $\left(\frac{2}{3}; \infty\right)$ D) $\left(-\frac{3}{4}; \frac{2}{3}\right)$

1643. 2.9-2 file-» 51 - 2 - - (719377)
 $\sqrt{x^2 - 6x + 8} > -1$ tengsizlikni yeching.
 A) $[2; 4]$ **B) $(-\infty; 2] \cup [4; \infty)$** C) $[1; 5]$
 D) $(-\infty; 1] \cup [5; \infty)$

1644. 2.9-2 file-» 51 - 2 - - (719378)
 $\frac{1}{2} - 3x < \frac{2}{3}x - 5$ tengsizlikning eng kichik butun yechimini toping.
 A) -1 B) \emptyset C) 1 **D) 2**

1645. 2.9-2 file-» 51 - 2 - - (719379)
 $\frac{2x + 7}{3x - 7} \leq 5$ tengsizlikni yeching.
 A) $\left[\frac{42}{13}; \infty\right)$ B) $\left(\frac{7}{3}; \frac{42}{13}\right]$ C) $\left(-\infty; \frac{42}{13}\right]$
D) $\left(-\infty; \frac{7}{3}\right) \cup \left[\frac{42}{13}; \infty\right)$

1646. 2.9-2 file-» - 154 - - (719381)
 $x + 8 < -\frac{16}{x}$ tengsizlikni yeching.
 A) $(-4; 0) \cup (0; \infty)$
B) $(-\infty; -4) \cup (-4; 0)$ C) $(-\infty; 0)$
 D) $(0; \infty)$

1647. 2.9-2 file-» - 154 - - (719382)
 $x + 11 < -\frac{36}{x - 1}$ tengsizlikni yeching.
 A) $(1; \infty)$ B) $(-5; 1) \cup (1; \infty)$
C) $(-\infty; -5) \cup (-5; 1)$ D) $(-\infty; 1)$

1648. 2.9-2 file-» - 154 - - (719383)
 $x + 14 < -\frac{64}{x - 2}$ tengsizlikni yeching.
 A) $(-\infty; 2)$ B) $(2; \infty)$
 C) $(-6; 2) \cup (2; \infty)$
D) $(-\infty; -6) \cup (-6; 2)$

1649. 2.9-2 file-» - 154 - - (719384)
 $x + 17 < -\frac{100}{x - 3}$ tengsizlikni yeching.
A) $(-\infty; -7) \cup (-7; 3)$ B) $(-\infty; 3)$
 C) $(3; \infty)$ D) $(-7; 3) \cup (3; \infty)$

1650. 2.9-2 file-» - 154 - - (719385)
 $x + 20 < -\frac{144}{x - 4}$ tengsizlikni yeching.
 A) $(-8; 4) \cup (4; \infty)$
B) $(-\infty; -8) \cup (-8; 4)$ C) $(-\infty; 4)$
 D) $(4; \infty)$

1651. 2.9-2 file-» - 154 - - (719386)
 $x + 23 < -\frac{196}{x-5}$ tengsizlikni yeching.
 A) $(5; \infty)$ B) $(-9; 5) \cup (5; \infty)$
C) $(-\infty; -9) \cup (-9; 5)$ D) $(-\infty; -5)$
1652. 2.9-2 file-» - 154 - - (719387)
 $x + 26 < -\frac{256}{x-6}$ tengsizlikni yeching.
 A) $(-\infty; 6)$ B) $(6; \infty)$
 C) $(-10; 6) \cup (6; \infty)$
D) $(-\infty; -10) \cup (-10; 6)$
1653. 2.9-2 file-» - 154 - - (719388)
 $x + 29 < -\frac{324}{x-7}$ tengsizlikni yeching.
A) $(-\infty; -11) \cup (-11; 7)$ B) $(-\infty; 7)$
 C) $(7; \infty)$ D) $(-11; 7) \cup (7; \infty)$
1654. 2.9-2 file-» - 154 - - (719389)
 $x + 32 < -\frac{400}{x-8}$ tengsizlikni yeching.
 A) $(-12; 8) \cup (8; \infty)$
B) $(-\infty; -12) \cup (-12; 8)$ C) $(-\infty; 8)$
 D) $(8; \infty)$
1655. 2.9-2 file-» - 154 - - (719390)
 $x > -7 - \frac{4}{x+11}$ tengsizlikni yeching.
A) $(-11; -9) \cup (-9; \infty)$ B) $(-\infty; -11)$
 C) $(-11; \infty)$ D) $(-\infty; -11) \cup (-11; -9)$
1656. 2.9-2 file-» - 154 - - (719391)
 $x > -4 - \frac{16}{x+12}$ tengsizlikni yeching.
 A) $(-\infty; -12) \cup (-12; -8)$
B) $(-12; -8) \cup (-8; \infty)$ C) $(-\infty; -12)$
 D) $(-12; \infty)$
1657. 2.9-2 file-» - 154 - - (719392)
 $x > -1 - \frac{36}{x+13}$ tengsizlikni yeching.
 A) $(-13; \infty)$ B) $(-\infty; -13) \cup (-13; -7)$
C) $(-13; -7) \cup (-7; \infty)$ D) $(-\infty; -13)$
1658. 2.9-2 file-» - 154 - - (719393)
 $x > 2 - \frac{64}{x+14}$ tengsizlikni yeching.
 A) $(-\infty; -14)$ B) $(-14; \infty)$
 C) $(-\infty; -14) \cup (-14; -6)$
D) $(-14; -6) \cup (-6; \infty)$
1659. 2.9-2 file-» - 154 - - (719394)
 $x > 5 - \frac{100}{x+15}$ tengsizlikni yeching.
A) $(-15; -5) \cup (-5; \infty)$ B) $(-\infty; -15)$
 C) $(-15; \infty)$ D) $(-\infty; -15) \cup (-15; -5)$
1660. 2.9-2 file-» - 154 - - (719395)
 $x > 8 - \frac{144}{x+16}$ tengsizlikni yeching.
 A) $(-\infty; -16) \cup (-16; -4)$
B) $(-16; -4) \cup (-4; \infty)$ C) $(-\infty; -16)$
 D) $(-16; \infty)$
1661. 2.9-2 file-» - 154 - - (719396)
 $x > 11 - \frac{196}{x+17}$ tengsizlikni yeching.
 A) $(-17; \infty)$ B) $(-\infty; -17) \cup (-17; -3)$
C) $(-17; -3) \cup (-3; \infty)$ D) $(-\infty; -17)$
1662. 2.9-2 file-» - 154 - - (719397)
 $x > 14 - \frac{256}{x+18}$ tengsizlikni yeching.
 A) $(-\infty; -18)$ B) $(-18; \infty)$
 C) $(-\infty; -18) \cup (-18; -2)$
D) $(-18; -2) \cup (-2; \infty)$
1663. 2.9-2 file-» - 154 - - (719398)
 $x > 17 - \frac{324}{x+19}$ tengsizlikni yeching.
A) $(-19; -1) \cup (-1; \infty)$ B) $(-\infty; -19)$
 C) $(-19; \infty)$ D) $(-\infty; -19) \cup (-19; -1)$
1664. 2.9-2 file-» - 154 - - (719399)
 $x > 20 - \frac{400}{x+20}$ tengsizlikni yeching.
 A) $(-\infty; -20) \cup (-20; 0)$
B) $(-20; 0) \cup (0; \infty)$ C) $(-\infty; -20)$
 D) $(-20; \infty)$
1665. 2.9-3 file-» 22 - 11 - - (36187)
 $3x^2 \leq 16x - 5$ tengsizlikning butun echimlari kўpайтмасини топинг.
 A) 12 B) 120 C) 30 D) 24
1666. 2.9-3 file-» 22 - 12 - - (36235)
 $|4 - x| < 5$ tengsizlikning butun sonlardan iborat echimlari nechta?
 A) 10 B) 5 C) 9 D) 11
1667. 2.9-3 file-» 22 - 12 - - (36247)
 $4x^2 - 16x \leq -7$ tengsizlikning butun sonlardan iborat echimlari ййғиндисини топинг.
 A) 3 B) 4 C) 5 D) 6
1668. 2.9-3 file-» 22 - 12 - - (36261)
 $(x-1) \cdot \sqrt{8-2x-x^2} \leq 0$ tengsizlikning echimini kўрсатинг.
A) $[-4; 1] \cup \{2\}$ B) $[-2; 3]$
 C) $[-2; 1] \cup \{3\}$ D) $[2; \infty)$

1669. 2.9-3 file-» 28 - 1 - - (36620)
 Агар $a < 0 < b$ ва $|a| < |b|$ бўлса,
 $\frac{1}{a^3 + b^3}$, $\frac{1}{a^4 + b^3}$ ва $\frac{1}{a^3}$ ларни
 таққосланг.
 A) $\frac{1}{a^3} < \frac{1}{a^3 + b^3} < \frac{1}{a^4 + b^3}$
 B) $\frac{1}{a^4 + b^3} > \frac{1}{a^3} > \frac{1}{a^3 + b^3}$
 C) $\frac{1}{a^4 + b^3} > \frac{1}{a^3 + b^3} > \frac{1}{a^3}$
 D) $\frac{1}{a^3} < \frac{1}{a^4 + b^3} < \frac{1}{a^3 + b^3}$
1670. 2.9-3 file-» 28 - 2 - - (36678)
 $a > c > b > 0$ бўлса, $\frac{1}{a}$, $\frac{1}{a+b}$ ва $\frac{1}{a+c}$ ларни
 таққосланг.
 A) $\frac{1}{a} < \frac{1}{a+c} < \frac{1}{a+b}$ B) $\frac{1}{a} < \frac{1}{a+b} < \frac{1}{a+c}$
 C) $\frac{1}{a+b} < \frac{1}{a+c} < \frac{1}{a}$ D) $\frac{1}{a+c} < \frac{1}{a+b} < \frac{1}{a}$
1671. 2.9-3 file-» 22 - 1 - - (36736)
 $|3 - x| \leq 4$ тенгсизликнинг бутун сонлардан
 иборат ечимлари нечта?
 A) 4 B) 9 C) 8 D) 7
1672. 2.9-3 file-» 22 - 1 - - (36748)
 $x^2 \leq 2x + 15$ тенгсизликнинг бутун сонлардан
 иборат ечимлари йиғиндисини топинг.
 A) 4 B) 9 C) 7 D) 5
1673. 2.9-3 file-» 22 - 1 - - (36762)
 Қуйидагилардан қайси бири
 $(x - 4) \cdot \sqrt{x^2 + x - 2} \leq 0$ тенгсизликнинг
 ечими?
 A) $(-\infty; 4]$ B) $(-\infty; -2] \cup [1; 4]$ C) $[-2; 4]$
 D) $[-1; 2] \cup [4; \infty)$
1674. 2.9-3 file-» 6 - 7 - - (56414)
 $\frac{(-x^2 + x - 1)(x^2 - 3x + 2)}{x^2 - 7x + 12} \geq 0$ тенгсизликнинг
 бутун сонлардан иборат ечимлари нечта?
 A) 4 B) 1 C) 2 D) 3
1675. 2.9-3 file-» 6 - 7 - - (56420)
 $2|x + 3| \leq |x - 6|$ тенгсизликнинг бутун
 сонлардан иборат ечимлари нечта?
 A) 13 B) 5 C) 6 D) 10
1676. 2.9-3 file-» 6 - 8 - - (56474)
 $\frac{(x^2 + x + 1)(x^2 + 5x + 4)}{x^2 + 5x + 6} \leq 0$ тенгсизликнинг
 бутун сонлардан иборат ечимлари нечта?
 A) 5 B) 4 C) 3 D) 2

1677. 2.9-3 file-» 6 - 8 - - (56480)
 $2|x - 3| \leq |x + 3|$ тенгсизликнинг бутун
 сонлардан иборат ечимлари нечта?
 A) 6 B) 5 C) 9 D) 0
1678. 2.9-3 file-» 16 - 1 - - (56825)
 $\sqrt{x + 6} > x + 4$ тенгсизликни
 қаноатлантирувчи бутун сонлар нечта?
 A) 3 B) 2 C) 4 D) 1
1679. 2.9-3 file-» 16 - 2 - - (56875)
 $\sqrt{6x - x^2 - 4} > x - 4$ тенгсизликни
 қаноатлантирувчи бутун сонлар нечта?
 A) 5 B) 3 C) 4 D) 2
1680. 2.9-3 file-» 22 - 11 - - (315315)
 $3x^2 \leq 16x - 5$ tengsizlikning butun yechimlari
 ko'paytmasini toping.
 A) 12 B) 120 C) 30 D) 24
1681. 2.9-3 file-» 22 - 12 - - (315316)
 $|4 - x| < 5$ tengsizlikning butun sonlardan iborat
 yechimlari nechta?
 A) 10 B) 5 C) 9 D) 11
1682. 2.9-3 file-» 22 - 12 - - (315317)
 $4x^2 - 16x \leq -7$ tengsizlikning butun sonlardan
 iborat yechimlari yig'indisini toping.
 A) 3 B) 4 C) 5 D) 6
1683. 2.9-3 file-» 22 - 12 - - (315318)
 $(x - 1) \cdot \sqrt{8 - 2x - x^2} \leq 0$
 tengsizlikning yechimini ko'rsating.
 A) $[-4; 1] \cup \{2\}$ B) $[-2; 3]$
 C) $[-2; 1] \cup \{3\}$ D) $[2; \infty)$
1684. 2.9-3 file-» 28 - 1 - - (315319)
 Агар $a < 0 < b$ ва $|a| < |b|$ bo'lsa,
 $\frac{1}{a^3 + b^3}$, $\frac{1}{a^4 + b^3}$ va $\frac{1}{a^3}$ larni
 taqqoslang.
 A) $\frac{1}{a^3} < \frac{1}{a^3 + b^3} < \frac{1}{a^4 + b^3}$
 B) $\frac{1}{a^4 + b^3} > \frac{1}{a^3} > \frac{1}{a^3 + b^3}$
 C) $\frac{1}{a^4 + b^3} > \frac{1}{a^3 + b^3} > \frac{1}{a^3}$
 D) $\frac{1}{a^3} < \frac{1}{a^4 + b^3} < \frac{1}{a^3 + b^3}$

1685. 2.9-3 file-» 28 - 2 - - (315320)
 $a > c > b > 0$ bo'lsa, $\frac{1}{a}$, $\frac{1}{a+b}$ va $\frac{1}{a+c}$ larni taqqoslang.
 A) $\frac{1}{a} < \frac{1}{a+c} < \frac{1}{a+b}$ B) $\frac{1}{a} < \frac{1}{a+b} < \frac{1}{a+c}$
 C) $\frac{1}{a+b} < \frac{1}{a+c} < \frac{1}{a}$
 D) $\frac{1}{a+c} < \frac{1}{a+b} < \frac{1}{a}$
1686. 2.9-3 file-» 22 - 1 - - (315321)
 $|3 - x| \leq 4$ tengsizlikning butun sonlardan iborat yechimlari nechta?
 A) 4 B) 9 C) 8 D) 7
1687. 2.9-3 file-» 22 - 1 - - (315322)
 $x^2 \leq 2x + 15$ tengsizlikning butun sonlardan iborat yechimlari yig'indisini toping.
 A) 4 B) 9 C) 7 D) 5
1688. 2.9-3 file-» 22 - 1 - - (315323)
 Quyidagilardan qaysi biri $(x - 4) \cdot \sqrt{x^2 + x - 2} \leq 0$ tengsizlikning yechimi?
 A) $(-\infty; 4]$ B) $(-\infty; -2] \cup [1; 4]$
 C) $[-2; 4]$ D) $[-1; 2] \cup [4; \infty)$
1689. 2.9-3 file-» 6 - 7 - - (315324)
 $\frac{(-x^2 + x - 1)(x^2 - 3x + 2)}{x^2 - 7x + 12} \geq 0$ tengsizlikning butun sonlardan iborat yechimlari nechta?
 A) 4 B) 1 C) 2 D) 3
1690. 2.9-3 file-» 6 - 7 - - (315325)
 $2|x + 3| \leq |x - 6|$ tengsizlikning butun sonlardan iborat yechimlari nechta?
 A) 13 B) 5 C) 6 D) 10
1691. 2.9-3 file-» 6 - 8 - - (315326)
 $\frac{(x^2 + x + 1)(x^2 + 5x + 4)}{x^2 + 5x + 6} \leq 0$ tengsizlikning butun sonlardan iborat yechimlari nechta?
 A) 5 B) 4 C) 3 D) 2
1692. 2.9-3 file-» 6 - 8 - - (315327)
 $2|x - 3| \leq |x + 3|$ tengsizlikning butun sonlardan iborat yechimlari nechta?
 A) 6 B) 5 C) 9 D) 0
1693. 2.9-3 file-» 16 - 1 - - (315328)
 $\sqrt{x + 6} > x + 4$ tengsizlikni qanoatlantiruvchi butun sonlar nechta?
 A) 3 B) 2 C) 4 D) 1
1694. 2.9-3 file-» 16 - 2 - - (315329)
 $\sqrt{6x - x^2 - 4} > x - 4$ tengsizlikni qanoatlantiruvchi butun sonlar nechta?
 A) 5 B) 3 C) 4 D) 2
1695. 2.9-3 file-» 50 - 107 - - (401861)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
 1) $x^3 < (x + 1)(x^2 - x + 1)$
 2) $x^3 < (x - 1)(x^2 + x + 1)$
 3) $(x + 7)(x + 1) < (x + 6)(x + 2)$
 4) $4x^2 + 9 > 12x$
 A) 1; 3 B) 2; 4 C) 1; 4 D) 2; 3
1696. 2.9-3 file-» 50 - 107 - - (401862)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
 1) $(x + 3)(x + 5) < (x + 2)(x + 6)$
 2) $(3x - 2)(x + 2) < (1 + 2x)^2$
 3) $x^2 + 16 > 8x$
 4) $(x - 6)(x - 3) < (x - 5)(x - 4)$
 A) 1; 4 B) 2; 4 C) 1; 3 D) 2; 3
1697. 2.9-3 file-» 50 - 107 - - (401863)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
 1) $(x - 7)(x - 4) < (x - 6)(x - 5)$
 2) $(x + 2)(x + 4) > (x + 1)(x + 5)$
 3) $(x - 8)(x - 4) > (x - 9)(x - 3)$
 4) $4x^2 + 9 > -12x$
 A) 1; 3 B) 2; 4 C) 1; 2 D) 3; 4
1698. 2.9-3 file-» 50 - 107 - - (401864)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
 1) $1 + (3x - 1)^2 < (1 - 2x)(1 - 4x)$
 2) $1 + (3x + 1)^2 > (1 + 2x)(1 + 4x)$
 3) $(x - 3)(x - 4) > (x - 2)(x - 5)$
 4) $x^2 + 16 > -8x$
 A) 2; 4 B) 1; 3 C) 1; 4 D) 2; 3
1699. 2.9-3 file-» 50 - 107 - - (401865)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
 1) $(x - 5)(x - 6) > (x - 3)(x - 8)$
 2) $(x - 7)(x + 2) < (x + 3)(x - 8)$
 3) $9x^2 + 16 > 24$
 4) $(x + 9)(x - 3) > (x + 10)(x - 4)$
 A) 1; 4 B) 2; 3 C) 1; 3 D) 2; 4
1700. 2.9-3 file-» 50 - 107 - - (401866)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
 1) $(x + 6)(x + 3) > (x + 5)(x + 4)$
 2) $4x^2 + 9 > 12x$
 3) $(x + 9)(x - 3) > (x + 10)(x - 4)$
 4) $x^3 < (x + 1)(x^2 - x + 1)$
 A) 1; 4 B) 3; 4 C) 1; 2 D) 2; 3

1701. 2.9-3 file-» 50 - 107 - - (401867)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
 1) $(x + 7)(x + 1) < (x + 6)(x + 2)$
 2) $(x + 3)(x - 7) > (x - 5)(x + 1)$
 3) $(3x - 2)(x + 2) < (1 + 2x)^2$
 4) $x^2 + 16 > 8x$
 A) 2; 3 B) 1; 4 **C) 1; 3** D) 2; 4
1702. 2.9-3 file-» 50 - 107 - - (401868)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
 1) $(x - 6)(x - 2) > (x - 5)(x - 3)$
 2) $(x - 6)(x - 3) < (x - 5)(x - 4)$
 3) $4x^2 + 9 > -12x$
 4) $(x - 7)(x - 4) < (x - 6)(x - 5)$
 A) 1; 2 B) 3; 4 C) 1; 3 **D) 2; 4**
1703. 2.9-3 file-» 50 - 107 - - (401869)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
 1) $(x + 2)(x + 4) > (x + 1)(x + 5)$
 2) $1 + (3x + 1)^2 > (1 + 2x)(1 + 4x)$
 3) $(x + 11)(x - 5) > (x + 8)(x - 2)$
 4) $x^2 - 16 > -8x$
A) 1; 2 B) 2; 3 C) 3; 4 D) 1; 4
1704. 2.9-3 file-» 50 - 107 - - (401870)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
 1) $(x - 12)(x + 4) > (x - 11)(x + 3)$
 2) $(x - 3)(x - 4) > (x - 2)(x - 5)$
 3) $(x - 5)(x - 6) > (x - 3)(x - 8)$
 4) $9x^2 + 16 > 24x$
 A) 1; 3 **B) 2; 3** C) 2; 4 D) 1; 4
1705. 2.9-3 file-» 50 - 107 - - (401871)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
 1) $(x + 3)(x + 5) < (x + 2)(x + 6)$
 2) $4x^2 + 9 > 12x$
 3) $(x + 9)(x - 3) > (x + 10)(x - 4)$
 4) $(x + 7)(x + 1) < (x + 6)(x + 2)$
 A) 1; 4 B) 2; 3 **C) 3; 4** D) 1; 2
1706. 2.9-3 file-» 50 - 107 - - (401872)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
 1) $x^3 < (x + 1)(x^2 - x + 1)$
 2) $(x - 8)(x - 4) < (x - 9)(x - 3)$
 3) $(3x - 2)(x + 2) < (1 + 2x)^2$
 4) $x^2 + 16 > 8x$
 A) 2; 4 B) 2; 3 C) 1; 4 **D) 1; 3**

1707. 2.9-3 file-» 50 - 107 - - (401873)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
 1) $1 + (3x - 1)^2 < (1 - 2x)(1 - 4x)$
 2) $(x - 6)(x - 3) < (x - 5)(x - 4)$
 3) $4x^2 + 9 > -12x$
 4) $(x - 7)(x - 4) < (x - 6)(x - 5)$
A) 2; 4 B) 1; 4 C) 1; 3 D) 2; 3
1708. 2.9-3 file-» 50 - 107 - - (401874)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
 1) $(x + 2)(x + 4) > (x + 1)(x + 5)$
 2) $(x - 7)(x + 2) < (x + 3)(x - 8)$
 3) $x^2 + 16 > -8x$
 4) $1 + (3x + 1)^2 > (1 + 2x)(1 + 4x)$
 A) 2; 4 **B) 1; 4** C) 2; 3 D) 1; 3
1709. 2.9-3 file-» 50 - 107 - - (401875)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida o'rinli?
 1) $(x + 6)(x + 3) > (x + 5)(x + 4)$
 2) $(x - 3)(x - 4) > (x - 2)(x - 5)$
 3) $9x^2 + 16 > 24x$
 4) $(x - 5)(x - 6) > (x - 3)(x - 8)$
 A) 1; 4 B) 2; 3 **C) 2; 4** D) 1; 3
1710. 2.9-3 file-» 50 - 107 - - (401876)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
 1) $x^3 < (x - 1)(x^2 + x + 1)$
 2) $x^3 < (x + 1)(x^2 - x + 1)$
 3) $(x + 3)(x + 5) < (x + 2)(x + 6)$
 4) $4x^2 + 10 > 12x$
 A) 2; 3 B) 1; 4 C) 2; 4 **D) 1; 3**
1711. 2.9-3 file-» 50 - 107 - - (401877)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
 1) $(x + 7)(x + 1) < (x + 6)(x + 2)$
 2) $(x - 8)(x - 4) < (x - 9)(x - 3)$
 3) $x^2 + 17 > 8x$
 4) $1 + (3x - 1)^2 < (1 - 2x)(1 - 4x)$
A) 2; 4 B) 1; 4 C) 2; 3 D) 1; 3
1712. 2.9-3 file-» 50 - 107 - - (401878)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
 1) $(x - 7)(x + 2) < (x + 3)(x - 8)$
 2) $(x + 6)(x + 3) > (x + 5)(x + 4)$
 3) $(3x - 2)(x + 2) < (1 + 2x)^2$
 4) $4x^2 + 10 > -12x$
 A) 1; 3 **B) 1; 2** C) 3; 4 D) 2; 4

1713. 2.9-3 file-» 50 - 107 - - (401879)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
 1) $(x - 6)(x - 3) < (x - 5)(x - 4)$
 2) $(x + 3)(x - 7) > (x - 5)(x + 1)$
 3) $(x - 6)(x - 2) > (x - 5)(x - 3)$
 4) $x^2 + 17 > -8x$
 A) 1; 3 B) 2; 4 **C) 2; 3** D) 1; 4
1714. 2.9-3 file-» 50 - 107 - - (401880)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
 1) $(x + 11)(x - 5) > (x + 8)(x - 2)$
 2) $(x - 7)(x - 4) < (x - 6)(x - 5)$
 3) $9x^2 + 17 > 24x$
 4) $(x - 12)(x + 4) > (x - 11)(x + 3)$
 A) 2; 4 B) 1; 3 C) 3; 4 **D) 1; 4**
1715. 2.9-3 file-» 50 - 107 - - (401881)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
 1) $(x + 2)(x + 4) > (x + 1)(x + 5)$
 2) $4x^2 + 10 > 12x$
 3) $(x - 12)(x + 4) > (x - 11)(x + 3)$
 4) $x^3 < (x - 1)(x^2 + x + 1)$
A) 3; 4 B) 2; 4 C) 1; 2 D) 1; 3
1716. 2.9-3 file-» 50 - 107 - - (401882)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
 1) $(x + 3)(x + 5) < (x + 2)(x + 6)$
 2) $1 + (3x + 1)^2 > (1 + 2x)(1 + 4x)$
 3) $(x - 8)(x - 4) < (x - 9)(x - 3)$
 4) $x^2 + 17 > 8x$
 A) 2; 3 **B) 1; 3** C) 1; 4 D) 2; 4
1717. 2.9-3 file-» 50 - 107 - - (401883)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
 1) $(x - 3)(x - 4) > (x - 2)(x - 5)$
 2) $1 + (3x - 1)^2 < (1 - 2x)(1 - 4x)$
 3) $4x^2 + 10 > -12x$
 4) $(x - 7)(x + 2) < (x + 3)(x - 8)$
 A) 1; 4 B) 2; 3 **C) 2; 4** D) 1; 3
1718. 2.9-3 file-» 50 - 107 - - (401884)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
 1) $(x + 6)(x + 3) > (x + 5)(x + 4)$
 2) $(x + 3)(x - 7) > (x - 5)(x + 1)$
 3) $(x - 5)(x - 6) > (x - 3)(x - 8)$
 4) $x^2 + 17 > -8x$
 A) 3; 4 B) 2; 4 C) 1; 3 **D) 1; 2**

1719. 2.9-3 file-» 50 - 107 - - (401885)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
 1) $(x + 9)(x - 3) > (x + 10)(x - 4)$
 2) $(x - 6)(x - 2) > (x - 5)(x - 3)$
 3) $(x + 11)(x - 5) > (x + 8)(x - 2)$
 4) $9x^2 + 17 > 24x$
A) 2; 3 B) 1; 2 C) 3; 4 D) 1; 4
1720. 2.9-3 file-» 50 - 107 - - (401886)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
 1) $(x + 7)(x + 1) < (x + 6)(x + 2)$
 2) $4x^2 + 10 > 12x$
 3) $(x - 12)(x + 4) > (x - 11)(x + 3)$
 4) $(x + 3)(x + 5) < (x + 2)(x + 6)$
 A) 1; 3 **B) 3; 4** C) 2; 4 D) 1; 2
1721. 2.9-3 file-» 50 - 107 - - (401887)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
 1) $x^3 < (x - 1)(x^2 + x + 1)$
 2) $(3x - 2)(x + 2) < (1 + 2x)^2$
 3) $(x - 8)(x - 4) < (x - 9)(x - 3)$
 4) $x^2 + 17 > 8x$
 A) 1; 2 B) 3; 4 **C) 1; 3** D) 2; 4
1722. 2.9-3 file-» 50 - 107 - - (401888)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
 1) $(x - 6)(x - 3) < (x - 5)(x - 4)$
 2) $1 + (3x - 1)^2 < (1 - 2x)(1 - 4x)$
 3) $4x^2 + 10 > -12x$
 4) $(x - 7)(x + 2) < (x + 3)(x - 8)$
 A) 1; 3 B) 3; 4 C) 1; 2 **D) 2; 4**
1723. 2.9-3 file-» 50 - 107 - - (401889)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
 1) $(x + 6)(x + 3) > (x + 5)(x + 4)$
 2) $(x - 7)(x - 4) < (x - 6)(x - 5)$
 3) $x^2 + 17 > -8x$
 4) $(x + 3)(x - 7) > (x - 5)(x + 1)$
A) 1; 4 B) 2; 4 C) 1; 3 D) 2; 3
1724. 2.9-3 file-» 50 - 107 - - (401890)
 Quyidagi tengsizliklardan qaysilari x ning barcha qiymatlarida noto'g'ri?
 1) $(x + 2)(x + 4) > (x + 1)(x + 5)$
 2) $(x - 6)(x - 2) > (x - 5)(x - 3)$
 3) $9x^2 + 17 > 24x$
 4) $(x + 11)(x - 5) > (x + 8)(x - 2)$
 A) 1; 4 **B) 2; 4** C) 2; 3 D) 1; 3

1725. 2.9-3 file-» 16 - 3 - - 5 (401891)
 Agar $a, b \in N$, $a > 10$ va $b > 16$ bo'lsa,
 quyidagilardan qaysi biri har doim o'rinli bo'ladi?
 A) $a - b < 6$ **B) $a + b \geq 28$** C) $\frac{b - 2a}{a} < 0$
 D) $\frac{b}{a} > 1,5$

1726. 2.9-3 file-» 16 - 3 - - 5 (401892)
 Agar x va y sonlari uchun $x \cdot y = 20$ va
 $0 < x < 0,8$ munosabat o'rinli bo'lsa, quyidagi
 tengsizliklardan qaysi biri doimo o'rinli bo'ladi?
 A) $\frac{y}{x} < 20$
 B) $x + y < 20$
 C) $y < 16$
D) $y > 25$

1727. 2.9-3 file-» 16 - 3 - - 5 (401893)
 Agar $2 < a < 3$ va $-3 < b < -2$ bo'lsa,
 quyidagilardan qaysi biri har doim o'rinli bo'ladi?
 A) $a^2 b^2 - 50 < 0$ B) $\frac{(a+b)^2 - 2ab}{a-b} < 0$
C) $b^3 a^2 - 5 < 0$ D) $a^3 b^2 - 2 < 0$

1728. 2.9-3 file-» 16 - 4 - - 11 (401894)
 Agar $x > y$; $t = \frac{1}{z}$ bo'lsa, quyidagilardan qaysi
 biri doimo o'rinli bo'ladi?
 A) $t + \frac{1}{x} = z + \frac{1}{y}$ B) $x + \frac{1}{t} < y + z$
C) $x + \frac{1}{t} > y + z$ D) $x + \frac{1}{z} > y$

1729. 2.9-3 file-» 16 - 4 - - 11 (401895)
 Agar $3 \leq x \leq 6$ va $15 \leq y \leq 60$ bo'lsa, $\frac{y}{x}$ ning
 qiymati qaysi kesmaga tegishli?
 A) [5; 10] B) [0, 5; 20] C) [5; 20]
D) [2, 5; 20]

1730. 2.9-3 file-» 30 - 1 - - 12 (401896)
 $10x^2 + 20x - 30 < 0$ tengsizlikning yechimlari
 to'plamida $q = 10x^2 - 20x - 30$ qanday
 qiymatlar qabul qiladi?
A) $-40 < q < 120$ B) $q \in R$ C) $q > 0$
 D) $0 < q < 30$

1731. 2.9-3 file-» 30 - 1 - - 12 (401897)
 $\frac{|x-3|}{x^2-5x+6} \geq 2$ tengsizlikni yeching.
A) $[\frac{3}{2}; 2)$ B) $(\frac{5}{2}; 4)$ C) *yechimi yo'q*
 D) $[-10; 10]$

1732. 2.9-3 file-» 19 - 2 - - 3 (401898)
 $0 < \frac{3x-1}{2x+5} < 1$ qo'sh tengsizlikni yeching.
 A) $(-\frac{5}{2}; 6)$ B) $(\frac{1}{3}; \infty)$
 C) $(-\infty; -\frac{5}{2}) \cup (\frac{1}{3}; 6)$ **D) $(\frac{1}{3}; 6)$**

1733. 2.9-3 file-» 16 - 6 - - 4 (401899)
 Agar $x > y$ va $z > t$ bo'lsa, quyidagi
 tengsizliklardan qaysi biri har doim o'rinli
 bo'ladi?
 A) $x \cdot z > y \cdot t$ B) $\frac{x}{z} > \frac{y}{t}$
 C) $(x+y)^4 > (z+t)^4$
D) $7t - 13x < 7z - 13y$

1734. 2.9-3 file-» 16 - 9 - - 10 (401900)
 $\sqrt{x} \geq x - 6$ tengsizlikni qanoatlantiruvchi butun
 sonlarning yig'indisini toping.
A) 45 B) 15 C) 28 D) 35

1735. 2.9-3 file-» 34 - 1 - - 7 (401901)
 $\frac{\sqrt{6+x-x^2}}{2x+5} \geq \frac{\sqrt{6+x-x^2}}{x+4}$ tengsizlikni
 yeching.
A) $[-2; -1] \cup \{3\}$ B) $[-2; 1]$ C) $[1; 3]$
 D) $[-2; 3]$

1736. 2.9-3 file-» 22 - 23 - - 6 (401902)
 $\left| \frac{3}{x-2} \right| \geq \frac{1}{4}$ tengsizlikning butun sonlardan
 iborat yechimlaridan eng kattasi va eng
 kichigining ko'paytmasini toping.
 A) 42 B) -117 **C) -140** D) -130

1737. 2.9-3 file-» 32 - 3 - - 2 (401903)
 a ning qanday qiymatlarida $1 < \frac{3a+10}{a+4} < 2$
 tengsizlik o'rinli bo'ladi?
 A) $(-1, 5; 4)$ **B) $(-3; -2)$** C) $(-7; 4)$
 D) \emptyset

1738. 2.9-3 file-» 32 - 3 - - 2 (401904)
 $y = (a-2)x^2 - (a-2)x + 6$ va istalgan x haqiqiy
 son uchun $y > 5$ bo'lsa, a soni qaysi oraliqda
 bo'ladi?
 A) (2; 6) B) (1; 5) **C) [2; 6)** D) (0; 5)

1739. 2.9-3 file-» 16 - 12 - - 9 (401905)
 $(x+2) \cdot (x^2+10x+25) \cdot \sqrt{49-x^2} \geq 0$
 tengsizlikni qanoatlantiruvchi barcha butun
 sonlarning yig'indisini toping.
 A) 25 **B) 13** C) 20 D) 28

1740. 2.9-4 file-» 5 - 3 - - 2 (704344)
 Nechta tub son $3 < \frac{7x - 19}{3x - 17} < 5$ tengsizlikning yechimi bo'ladi?
A) 2 B) 3 C) 7 D) 5
1741. 2.9-4 file-» 5 - 10 - - 2 (704345)
 $\left| \frac{1}{1,5 - \frac{x}{2}} \right| > \frac{4}{15}$ tengsizlikning barcha butun sonlardagi yechimlari yig'indisini toping.
A) 42 B) 45 C) 37 D) 33
1742. 2.9-4 file-» 5 - 7 - - 2 (704346)
 $\left| \frac{1}{1 - 0,5x} \right| > \frac{2}{7}$ tengsizlikning barcha butun sonlardagi yechimlari yig'indisini toping.
A) 24 B) 26 C) 22 D) 23
1743. 2.9-4 file-» 22 - 12 - - 2 (704347)
 Nechta tub son $2 < \frac{3x + 13}{2x + 1} < 4$ tengsizlikning yechimi bo'ladi?
A) 4 B) 3 C) 2 D) 7
1744. 2.9-4 file-» 22 - 13 - - 2 (704348)
 $\left| \frac{1}{2 - \frac{x}{2}} \right| > \frac{2}{7}$ tengsizlikning barcha butun sonlardagi yechimlari yig'indisini toping.
A) 48 B) 52 C) 53 D) 47
1745. 2.9-4 file-» 23 - 4 - - 2 (704349)
 $\left| \frac{1}{2 - \frac{x}{3}} \right| > \frac{2}{5}$ tengsizlikning barcha butun sonlardagi yechimlari yig'indisini toping.
A) 84 B) 90 C) 88 D) 77
1746. 2.9-4 file-» 22 - 1 - - 2 (704350)
 Nechta tub son $2 < \frac{3x - 19}{2x - 33} < 3$ tengsizlikning yechimi bo'ladi?
A) 5 B) 3 C) 2 D) 7
1747. 2.9-4 file-» 6 - 8 - - 2 (704351)
 $\left| \frac{1}{0,5x + 1} \right| > \frac{2}{17}$ tengsizlikning barcha butun sonlardagi yechimlari yig'indisini toping.
A) -64 B) -66 C) -54 D) -33
1748. 2.9-4 file-» 23 - 17 - - 2 (704352)
 Nechta tub son $2 \leq \frac{x + 2}{2x - 11} \leq 3$ tengsizlikning yechimi bo'ladi?
A) 1 B) 7 C) 2 D) 3

1749. 2.9-4 file-» 19 - 3 - - 2 (704353)
 Nechta tub son $1 < \frac{2x + 1}{3x - 13} < 2$ tengsizlikning yechimi bo'ladi?
 A) 1 B) 2 C) 4 **D) 3**
1750. 2.9-4 file-» 23 - 19 - - 2 (704354)
 Agar $3 \leq x \leq y \leq z \leq t \leq 27$ bo'lsa, $\frac{x}{y} + \frac{z}{t}$ ifodaning eng kichik qiymatini toping.
A) $\frac{2}{3}$ B) $\frac{9}{10}$ C) $\frac{3}{2}$ D) $\frac{1}{5}$
1751. 2.9-4 file-» 30 - 2 - - 2 (704355)
 Agar $9 \leq x \leq y \leq z \leq t \leq 81$ bo'lsa, $\frac{x}{y} + \frac{z}{t}$ ifodaning eng kichik qiymatini toping.
A) $\frac{2}{3}$ B) $\frac{3}{2}$ C) $\frac{1}{5}$ D) $\frac{1}{3}$
1752. 2.9-4 file-» 30 - 2 - - 2 (704356)
 Agar $25 \leq x \leq y \leq z \leq t \leq 64$ bo'lsa, $\frac{x}{y} + \frac{z}{t}$ ifodaning eng kichik qiymatini toping.
A) 1,25 B) 1,6 C) $\frac{25}{32}$ D) 0,2
1753. 2.9-4 file-» 30 - 2 - - 2 (704357)
 Agar $16 \leq x \leq y \leq z \leq t \leq 121$ bo'lsa, $\frac{x}{y} + \frac{z}{t}$ ifodaning eng kichik qiymatini toping.
A) $\frac{8}{11}$ B) $\frac{11}{8}$ C) $\frac{4}{11}$ D) $\frac{2}{11}$
1754. 2.9-4 file-» 32 - 2 - - 2 (704358)
 Agar $8 \leq x \leq y \leq z \leq t \leq 200$ bo'lsa, $\frac{x}{y} + \frac{z}{t}$ ifodaning eng kichik qiymatini toping.
A) 0,4 B) 0,9 C) 0,7 D) 0,2
1755. 2.10-1 file-» 50 - 120 - - (704359)
 -23 va -3 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) -19; -15; -11; -7
B) -18; -14; -10; -6
 C) -20; -16; -12; -8
 D) -17; -13; -9; -5
1756. 2.10-1 file-» 50 - 120 - - (704360)
 -22 va -2 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -16; -12; -8; -4
B) -18; -14; -10; -6
 C) -17; -13; -9; -5
 D) -19; -15; -11; -7

1757. 2.10-1 file-» 50 - 120 - - (704361)
 -21 va -1 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
 A) -18; -14; -10; -6
 B) -15; -11; -7; -3
C) -17; -13; -9; -5
 D) -16; -12; -8; -4
1758. 2.10-1 file-» 50 - 120 - - (704362)
 -20 va 0 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
 A) -15; -11; -7; -3
 B) -17; -13; -9; -5
 C) -14; -10; -6; -2
D) -16; -12; -8; -4
1759. 2.10-1 file-» 50 - 120 - - (704363)
 -19 va 1 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
A) -15; -11; -7; -3
B) -14; -10; -6; -2
 C) -16; -12; -8; -4 D) -13; -9; -5; -1
1760. 2.10-1 file-» 50 - 120 - - (704364)
 -17 va 3 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
A) -13; -9; -5; -1 B) -12; -8; -4; 0
C) -14; -10; -6; -2 D) -11; -7; -3; 1
1761. 2.10-1 file-» 50 - 120 - - (704365)
 -16 va 4 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
 A) -10; -6; -2; 2 B) -12; -8; -4; 0
 C) -11; -7; -3; 1 D) -13; -9; -5; -1
1762. 2.10-1 file-» 50 - 120 - - (704366)
 -15 va 5 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
 A) -12; -8; -4; 0 B) -9; -5; -1; 3
C) -11; -7; -3; 1 D) -10; -6; -2; 2
1763. 2.10-1 file-» 50 - 120 - - (704367)
 -14 va 6 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
 A) -9; -5; -1; 3 B) -11; -7; -3; 1
 C) -8; -4; 0; 4 D) -10; -6; -2; 2
1764. 2.10-1 file-» 50 - 120 - - (704368)
 -13 va 7 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
A) -9; -5; -1; 3 B) -8; -4; 0; 4
C) -10; -6; -2; 2 D) -7; -3; 1; 5
1765. 2.10-1 file-» 50 - 120 - - (704369)
 -23 va -8 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
A) -20; -17; -14; -11
B) -19; -16; -13; -10
 C) -21; -18; -15; -12
 D) -18; -15; -12; -9
1766. 2.10-1 file-» 50 - 120 - - (704370)
 -22 va -7 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
 A) -17; -14; -11; -8
B) -19; -16; -13; -10
C) -18; -15; -12; -9
 D) -20; -17; -14; -11
1767. 2.10-1 file-» 50 - 120 - - (704371)
 -21 va -6 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
 A) -19; -16; -13; -10
 B) -16; -13; -10; -7
C) -18; -15; -12; -9
D) -17; -14; -11; -8
1768. 2.10-1 file-» 50 - 120 - - (704372)
 -20 va -5 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
 A) -16; -13; -10; -7
 B) -18; -15; -12; -9
 C) -15; -12; -9; -6
D) -17; -14; -11; -8

1769. 2.10-1 file-» 50 - 120 - - (704373)
 -19 va -4 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) -16; -13; -10; -7
 B) -15; -12; -9; -6
 C) -17; -14; -11; -8
 D) -14; -11; -8; -5
1770. 2.10-1 file-» 50 - 120 - - (704374)
 -17 va -2 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) -14; -11; -8; -5
 B) -13; -10; -7; -4
 C) -15; -12; -9; -6 D) -12; -9; -6; -3
1771. 2.10-1 file-» 50 - 120 - - (704375)
 -16 va -1 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -11; -8; -5; -2 B) -13; -10; -7; -4
 C) -12; -9; -6; -3 D) -14; -11; -8; -5
1772. 2.10-1 file-» 50 - 120 - - (704376)
 -15 va 0 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -13; -10; -7; -4 B) -10; -7; -4; -1
C) -12; -9; -6; -3 D) -11; -8; -5; -2
1773. 2.10-1 file-» 50 - 120 - - (704377)
 -14 va 1 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -10; -7; -4; -1 B) -12; -9; -6; -3
 C) -9; -6; -3; 0 D) -11; -8; -5; -2
1774. 2.10-1 file-» 50 - 120 - - (704378)
 -13 va 2 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) -10; -7; -4; -1 B) -9; -6; -3; 0
 C) -11; -8; -5; -2 D) -8; -5; -2; 1
1775. 2.10-1 file-» 50 - 120 - - (704379)
 -23 va -13 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) -21; -19; -17; -15
 B) -20; -18; -16; -14
 C) -22; -20; -18; -16
 D) -19; -17; -15; -13
1776. 2.10-1 file-» 50 - 120 - - (704380)
 -22 va -12 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -18; -16; -14; -12
B) -20; -18; -16; -14
 C) -19; -17; -15; -13
 D) -21; -19; -17; -15
1777. 2.10-1 file-» 50 - 120 - - (704381)
 -21 va -11 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -20; -18; -16; -14
 B) -17; -15; -13; -11
C) -19; -17; -15; -13
 D) -18; -16; -14; -12
1778. 2.10-1 file-» 50 - 120 - - (704382)
 -20 va -10 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -17; -15; -13; -11
 B) -19; -17; -15; -13
 C) -16; -14; -12; -10
D) -18; -16; -14; -12
1779. 2.10-1 file-» 50 - 120 - - (704383)
 -19 va -9 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) -17; -15; -13; -11
 B) -16; -14; -12; -10
 C) -18; -16; -14; -12
 D) -15; -13; -11; -9
1780. 2.10-1 file-» 50 - 120 - - (704384)
 -17 va -7 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) -15; -13; -11; -9
 B) -14; -12; -10; -8
 C) -16; -14; -12; -10
 D) -13; -11; -9; -7

1781. 2.10-1 file-» 50 - 120 - - (704385)
 -16 va -6 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
 A) -12; -10; -8; -6
B) -14; -12; -10; -8
 C) -13; -11; -9; -7
 D) -15; -13; -11; -9
1782. 2.10-1 file-» 50 - 120 - - (704386)
 -15 va -5 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
 A) -14; -12; -10; -8
 B) -11; -9; -7; -5 C) -13; -11; -9; -7
 D) -12; -10; -8; -6
1783. 2.10-1 file-» 50 - 120 - - (704387)
 -14 va -4 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
 A) -11; -9; -7; -5 B) -13; -11; -9; -7
 C) -10; -8; -6; -4 D) -12; -10; -8; -6
1784. 2.10-1 file-» 50 - 120 - - (704388)
 -13 va -3 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
 A) -11; -9; -7; -5 B) -10; -8; -6; -4
C) -12; -10; -8; -6 D) -9; -7; -5; -3
1785. 2.10-1 file-» 50 - 128 - - (719400)
 -13 va 7 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
 A) -9; -5; -1; 3 B) -8; -4; 0; 4
C) -10; -6; -2; 2 D) -7; -3; 1; 5
1786. 2.10-1 file-» 50 - 128 - - (719401)
 -12 va 8 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping
 A) -6; -2; 2; 6 B) -8; -4; 0; 4
 C) -7; -3; 1; 5 D) -9; -5; -1; 3
1787. 2.10-1 file-» 50 - 128 - - (719402)
 -11 va 9 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
 A) -8; -4; 0; 4 B) -5; -1; 3; 7
C) -7; -3; 1; 5 D) -6; -2; 2; 6
1788. 2.10-1 file-» 50 - 128 - - (719403)
 -10 va 10 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
 A) -5; -1; 3; 7 B) -7; -3; 1; 5
 C) -4; 0; 4; 8 D) -6; -2; 2; 6
1789. 2.10-1 file-» 50 - 128 - - (719404)
 -9 va 11 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
A) -5; -1; 3; 7 B) -4; 0; 4; 8
 C) -6; -2; 2; 6 D) -3; 1; 5; 9
1790. 2.10-1 file-» 50 - 128 - - (719405)
 -7 va 13 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
A) -3; 1; 5; 9 B) -2; 2; 6; 10
 C) -4; 0; 4; 8 D) -1; 3; 7; 11
1791. 2.10-1 file-» 50 - 128 - - (719406)
 -6 va 14 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
 A) 0; 4; 8; 12 B) -2; 2; 6; 10
 C) -1; 3; 7; 11 D) -3; 1; 5; 9
1792. 2.10-1 file-» 50 - 128 - - (719407)
 -5 va 15 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
 A) -2; 2; 6; 10 B) 1; 5; 9; 13
C) -1; 3; 7; 11 D) 0; 4; 8; 12
1793. 2.10-1 file-» 50 - 128 - - (719408)
 -4 va 16 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
 A) 1; 5; 9; 13 B) -1; 3; 7; 11
 C) 2; 6; 10; 14 D) 0; 4; 8; 12
1794. 2.10-1 file-» 50 - 128 - - (719409)
 -3 va 17 sonlari orasiga to'rtta son shunday
 qo'yilganki, natijada u sonlar berilgan sonlar
 bilan birgalikda arifmetik progressiya hosil
 qilgan. Qo'yilgan sonlarni toping.
A) 1; 5; 9; 13 B) 2; 6; 10; 14
 C) 0; 4; 8; 12 D) 3; 7; 11; 15

1795. 2.10-1 file-» 50 - 128 - - (719410)
 -13 va 2 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) -10; -7; -4; -1 B) -9; -6; -3; 0
 C) -11; -8; -5; -2 D) -8; -5; -2; 1
1796. 2.10-1 file-» 50 - 128 - - (719411)
 -12 va 3 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -7; -4; -1; 2 B) -9; -6; -3; 0
 C) -8; -5; -2; 1 D) -10; -7; -4; -1
1797. 2.10-1 file-» 50 - 128 - - (719412)
 -11 va 4 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -9; -6; -3; 0 B) -6; -3; 0; 3
C) -8; -5; -2; 1 D) -7; -4; -1; 2
1798. 2.10-1 file-» 50 - 128 - - (719413)
 -10 va 5 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -6; -3; 0; 3 B) -8; -5; -2; 1
 C) -5; -2; 1; 4 D) -7; -4; -1; 2
1799. 2.10-1 file-» 50 - 128 - - (719414)
 -9 va 6 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) -6; -3; 0; 3 B) -5; -2; 1; 4
 C) -7; -4; -1; 2 D) -4; -1; 2; 5
1800. 2.10-1 file-» 50 - 128 - - (719415)
 -7 va 8 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) -4; -1; 2; 5 B) -3; 0; 3; 6
 C) -5; -2; 1; 4 D) -2; 1; 4; 7
1801. 2.10-1 file-» 50 - 128 - - (719416)
 -6 va 9 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -1; 2; 5; 8 B) -3; 0; 3; 6
 C) -2; 1; 4; 7 D) -4; -1; 2; 5
1802. 2.10-1 file-» 50 - 128 - - (719417)
 -5 va 10 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -3; 0; 3; 6 B) 0; 3; 6; 9
C) -2; 1; 4; 7 D) -1; 2; 5; 8
1803. 2.10-1 file-» 50 - 128 - - (719418)
 -4 va 11 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) 0; 3; 6; 9 B) -2; 1; 4; 7
 C) 1; 4; 7; 10 D) -1; 2; 5; 8
1804. 2.10-1 file-» 50 - 128 - - (719419)
 -3 va 12 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) 0; 3; 6; 9 B) 1; 4; 7; 10
 C) -1; 2; 5; 8 D) 2; 5; 8; 11
1805. 2.10-1 file-» 50 - 128 - - (719420)
 -13 va -3 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
A) -11; -9; -7; -5 B) -10; -8; -6; -4
 C) -12; -10; -8; -6 D) -9; -7; -5; -3
1806. 2.10-1 file-» 50 - 128 - - (719421)
 -12 va -2 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -8; -6; -4; -2 B) -10; -8; -6; -4
 C) -9; -7; -5; -3 D) -11; -9; -7; -5
1807. 2.10-1 file-» 50 - 128 - - (719422)
 -11 va -1 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -10; -8; -6; -4 B) -7; -5; -3; -1
C) -9; -7; -5; -3 D) -8; -6; -4; -2
1808. 2.10-1 file-» 50 - 128 - - (719423)
 -10 va 0 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -7; -5; -3; -1 B) -9; -7; -5; -3
 C) -6; -4; -2; 0 D) -8; -6; -4; -2

1809. 2.10-1 file-» 50 - 128 - - (719424)
 -9 va 1 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -7; -5; -3; -1 B) -6; -4; -2; 0
 C) -8; -6; -4; -2 D) -5; -3; -1; 1
1810. 2.10-1 file-» 50 - 128 - - (719425)
 -7 va 3 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -5; -3; -1; 1 B) -4; -2; 0; 2
 C) -6; -4; -2; 0 D) -3; -1; 1; 3
1811. 2.10-1 file-» 50 - 128 - - (719426)
 -6 va 4 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -2; 0; 2; 4 B) -4; -2; 0; 2
 C) -3; -1; 1; 3 D) -5; -3; -1; 1
1812. 2.10-1 file-» 50 - 128 - - (719427)
 -5 va 5 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -4; -2; 0; 2 B) -1; 1; 3; 5
 C) -3; -1; 1; 3 D) -2; 0; 2; 4
1813. 2.10-1 file-» 50 - 128 - - (719428)
 -4 va 6 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -1; 1; 3; 5 B) -3; -1; 1; 3
 C) 0; 2; 4; 6 D) -2; 0; 2; 4
1814. 2.10-1 file-» 50 - 128 - - (719429)
 -3 va 7 sonlari orasiga to'rtta son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda arifmetik progressiya hosil qilgan. Qo'yilgan sonlarni toping.
 A) -1; 1; 3; 5 B) 0; 2; 4; 6
 C) -2; 0; 2; 4 D) 1; 3; 5; 7
1815. 2.10-2 file-» 5 - 3 - - (13860)
 Арифметик прогрессиянинг учинчи ва тўққизинчи ҳадлари йиғиндиси 4 га тенг. Шу прогрессиянинг дастлабки 11 та ҳадлари йиғиндисини топинг.
 A) 22 B) 33 C) 44 D) 55
1816. 2.10-2 file-» 22 - 13 - - (36304)
 $a_n = 4n - 12$ ($n \in N$) формула билан берилган кетма-кетликнинг дастлабки 60 та ҳадининг йиғиндисини топинг.
 A) 4500 B) 6000 C) 6600 D) 7200
1817. 2.10-2 file-» 22 - 14 - - (36353)
 Ҳадлари $x_n = 4n + 6$ ($n \in N$) формула билан берилган кетма-кетликнинг дастлабки ўттизта ҳади йиғиндисини топинг.
 A) 2040 B) 1800 C) 2100 D) 1940
1818. 2.10-2 file-» 22 - 15 - - (36403)
 Ҳадлари $b_n = 3n - 10,5$ ($n \in N$) формула билан берилган кетма-кетликнинг дастлабки 40 та ҳади йиғиндисини топинг.
 A) 4860 B) 2040 C) 5140 D) 5440
1819. 2.10-2 file-» 23 - 2 - - (36471)
 (x_n) ($n \in N$) арифметик прогрессиянинг дастлабки n та ҳади йиғиндиси 120 га тенг. Агар $x_3 + x_{n-2} = 30$ бўлса, йиғиндида нечта ҳад қатнашган?
 A) 6 B) 10 C) 8 D) 12
1820. 2.10-2 file-» 23 - 2 - - (36472)
 Махражи 2 га тенг бўлган геометрик прогрессиянинг дастлабки бешта ҳади йиғиндиси 186 га тенг. Прогрессиянинг биринчи ҳадини топинг.
 A) 3 B) 5 C) 4 D) 6
1821. 2.10-2 file-» 23 - 3 - - (36530)
 Дастлабки еттита ҳадининг йиғиндиси -280 га ва ҳадларининг айирмаси -2 га тенг бўлган арифметик прогрессиянинг биринчи ҳадини топинг.
 A) -32 B) -42 C) -34 D) -36
1822. 2.10-2 file-» 23 - 4 - - (36589)
 Дастлабки бешта ҳадининг йиғиндиси -124 га ва махражи 2 га тенг геометрик прогрессиянинг биринчи ҳадини топинг.
 A) -1 B) -3 C) -4 D) -2
1823. 2.10-2 file-» 22 - 1 - - (36755)
 160 дан катта бўлмаган 7 га каррали барча натурал сонларнинг йиғиндисини топинг.
 A) 1470 B) 1617 C) 1771 D) 1624
1824. 2.10-2 file-» 6 - 7 - - (56422)
 Биринчи ҳади 4 га, ўн биринчи ҳади 8 га тенг бўлган арифметик прогрессиянинг олтинчи ҳадини топинг.
 A) 4 B) 5 C) 6 D) 7

1825. 2.10-2 file-» 6 - 7 - - (56423)
Геометрик прогрессиянинг махражи 3 га, дастлабки тўртта ҳадлари йиғиндиси 40 га тенг. Унинг тўртинчи ҳадини топинг.
A) 24 B) 32 C) 54 **D) 27**
1826. 2.10-2 file-» 6 - 8 - - (56481)
Иккинчи ҳади 5 га, саккизинчи ҳади 12 га тенг бўлган арифметик прогрессиянинг бешинчи ҳадини топинг.
A) 7,5 B) 12,5 C) 10 **D) 8,5**
1827. 2.10-2 file-» 6 - 8 - - (56482)
Геометрик прогрессиянинг махражи 3 га, дастлабки тўртта ҳадининг йиғиндиси 120 га тенг. Биринчи ҳадининг қийматини топинг.
A) 1 B) 2 **C) 3** D) 4
1828. 2.10-2 file-» 22 - 19 - - 4 (69938)
Арифметик прогрессиянинг ўн учинчи ҳади 3 га тенг. Унинг дастлабки 25 та ҳади йиғиндисини топинг.
A) 125 B) 100 **C) 75** D) 225
1829. 2.10-2 file-» 22 - 19 - - 4 (69939)
 (b_n) ($n \in N$) геометрик прогрессияда $q = 2$ ва $S_4 = 3$. b_2 ни топинг.
A) 0,4 B) 0,8 C) $1\frac{1}{3}$ D) $\frac{2}{3}$
1830. 2.10-2 file-» 23 - 11 - - 9 (70986)
Арифметик прогрессияда $a_2 - a_1 = 6$ бўлса, $a_8 - a_5$ нинг қиймати нечага тенг бўлади?
A) 10 B) 12 C) 9 **D) 18**
1831. 2.10-2 file-» 23 - 13 - - 10 (71101)
Арифметик прогрессия 26 ҳаддан иборат. Агар $a_6 = -0,25$ ва $a_{21} = -1,25$ бўлса, унинг ҳадлари йиғиндисини топинг.
A) $-9,75$ B) $-10,75$ **C) $-19,5$** D) $-8,5$
1832. 2.10-2 file-» 16 - 6 - - 4 (88102)
Арифметик прогрессиянинг бешинчи ҳади $5\frac{1}{3}$ га тенг. Унинг дастлабки тўққизта ҳади йиғиндисини топинг.
A) 36 **B) 48** C) 54 D) 45
1833. 2.10-2 file-» 16 - 7 - - 6 (105876)
Кетма-кет келган олтига натурал соннинг йиғиндиси 417 га тенг. Шу сонларнинг энг кичигини топинг.
A) 59 **B) 67** C) 70 D) 48
1834. 2.10-2 file-» 22 - 23 - - 6 (134304)
 $-\frac{1}{4}; -\frac{5}{24}; \dots$ арифметик прогрессиянинг нечта ҳади манфий?
A) 8 **B) 6** C) 5 D) 7
1835. 2.10-2 file-» 5 - 3 - - (315330)
Arifmetik progressiyaning uchinchi va to'qqizinchi hadlari yig'indisi 4 ga teng. Shu progressiyaning dastlabki 11 ta hadlari yig'indisini toping.
A) 22 B) 33 C) 44 D) 55
1836. 2.10-2 file-» 22 - 13 - - (315331)
 $a_n = 4n - 12$ ($n \in N$) formula bilan berilgan ketma-ketlikning dastlabki 60 ta hadining yig'indisini toping.
A) 4500 B) 6000 **C) 6600** D) 7200
1837. 2.10-2 file-» 22 - 14 - - (315332)
Hadlari $x_n = 4n + 6$ ($n \in N$) formula bilan berilgan ketma-ketlikning dastlabki o'ttizta hadi yig'indisini toping.
A) 2040 B) 1800 C) 2100 D) 1940
1838. 2.10-2 file-» 22 - 15 - - (315333)
Hadlari $b_n = 3n - 10,5$ ($n \in N$) formula bilan berilgan ketma-ketlikning dastlabki 40 ta hadi yig'indisini toping.
A) 4860 **B) 2040** C) 5140 D) 5440
1839. 2.10-2 file-» 23 - 2 - - (315334)
 (x_n) ($n \in N$) arifmetik progressiyaning dastlabki n ta hadi yig'indisi 120 ga teng. Agar $x_3 + x_{n-2} = 30$ bo'lsa, yig'indida nechta had qatnashgan?
A) 6 B) 10 **C) 8** D) 12
1840. 2.10-2 file-» 23 - 2 - - (315335)
Maxraji 2 ga teng bo'lgan geometrik progressiyaning dastlabki beshta hadi yig'indisi 186 ga teng. Progressiyaning birinchi hadini toping.
A) 3 B) 5 C) 4 **D) 6**
1841. 2.10-2 file-» 23 - 3 - - (315336)
Dastlabki yettita hadining yig'indisi -280 ga va hadlarining ayirmasi -2 ga teng bo'lgan arifmetik progressiyaning birinchi hadini toping.
A) -32 B) -42 **C) -34** D) -36
1842. 2.10-2 file-» 23 - 4 - - (315337)
Dastlabki beshta hadining yig'indisi -124 ga va maxraji 2 ga teng geometrik progressiyaning birinchi hadini toping.
A) -1 B) -3 **C) -4** D) -2

1843. 2.10-2 file-» 22 - 1 - - (315338)
160 dan katta bo'lmagan 7 ga karrali barcha natural sonlarning yig'indisini toping.
A) 1470 B) 1617 C) 1771 D) 1624
1844. 2.10-2 file-» 6 - 7 - - (315339)
Birinchi hadi 4 ga, o'n birinchi hadi 8 ga teng bo'lgan arifmetik progressiyaning oltinchi hadini toping.
A) 4 B) 5 C) 6 D) 7
1845. 2.10-2 file-» 6 - 7 - - (315340)
Geometrik progressiyaning maxraji 3 ga, dastlabki to'rtta hadlari yig'indisi 40 ga teng. Uning to'rtinchi hadini toping.
A) 24 B) 32 C) 54 D) 27
1846. 2.10-2 file-» 6 - 8 - - (315341)
Ikkinchi hadi 5 ga, sakkizinchi hadi 12 ga teng bo'lgan arifmetik progressiyaning beshinchi hadini toping.
A) 7,5 B) 12,5 C) 10 D) 8,5
1847. 2.10-2 file-» 6 - 8 - - (315342)
Geometrik progressiyaning maxraji 3 ga, dastlabki to'rtta hadining yig'indisi 120 ga teng. Birinchi hadining qiymatini toping.
A) 1 B) 2 C) 3 D) 4
1848. 2.10-2 file-» 22 - 19 - - 4 (315343)
Arifmetik progressiyaning o'n uchinchi hadi 3 ga teng. Uning dastlabki 25 ta hadi yig'indisini toping.
A) 125 B) 100 C) 75 D) 225
1849. 2.10-2 file-» 22 - 19 - - 4 (315344)
(b_n) ($n \in N$) geometrik progressiyada $q = 2$ va $S_4 = 3$. b_2 ni toping.
A) 0,4 B) 0,8 C) $1\frac{1}{3}$ D) $\frac{2}{3}$
1850. 2.10-2 file-» 23 - 11 - - 9 (315345)
Arifmetik progressiyada $a_2 - a_1 = 6$ bo'lsa, $a_8 - a_5$ ning qiymati nechaga teng bo'ladi?
A) 10 B) 12 C) 9 D) 18
1851. 2.10-2 file-» 23 - 13 - - 10 (315346)
Arifmetik progressiya 26 haddan iborat. Agar $a_6 = -0,25$ va $a_{21} = -1,25$ bo'lsa, uning hadlari yig'indisini toping.
A) -9,75 B) -10,75 C) -19,5
D) -8,5
1852. 2.10-2 file-» 16 - 6 - - 4 (315347)
Arifmetik progressiyaning beshinchi hadi $5\frac{1}{3}$ ga teng. Uning dastlabki to'qqizta hadi yig'indisini toping.
A) 36 B) 48 C) 54 D) 45
1853. 2.10-2 file-» 16 - 7 - - 6 (315348)
Ketma-ket kelgan oltita natural sonning yig'indisi 417 ga teng. Shu sonlarning eng kichigini toping.
A) 59 B) 67 C) 70 D) 48
1854. 2.10-2 file-» 22 - 23 - - 6 (315349)
 $-\frac{1}{4}; -\frac{5}{24}; \dots$ arifmetik progressiyaning nechta hadi manfiy?
A) 8 B) 6 C) 5 D) 7
1855. 2.10-2 file-» 50 - 91 - - (401906)
Quyida keltirilgan tasdiqlardan qaysilari noto'g'ri?
1) arifmetik progressiyaning ayirmasi uchun $d = \frac{a_n + a_1}{n-1}$ ($n \neq 1$) munosabat o'rinli;
2) $\sin(\alpha + \beta)$, $\sin(\alpha - \beta)$ va $\sin\alpha\cos\beta$ sonlar arifmetik progressiyaning ketma-ket keladigan hadlari bo'ladi;
3) arifmetik progressiya dastlabki n ta hadining yig'indisi uchun $S_n = \frac{2a_1 + (n-1)d}{2} \cdot n$ formula o'rinli;
4) cheksiz kamayuvchi geometrik progressiyaning yig'indisi $S = \frac{b_1}{q-1}$ ga teng;
5) geometrik progressiya dastlabki n ta hadining yig'indisi $S_n = \frac{b_1(q^n - 1)}{q-1}$ ($q \neq 1$) formula bilan hisoblanadi;
A) 1; 2; 4 B) 2; 3; 5 C) 1; 3; 4 D) 2; 4; 5
1856. 2.10-2 file-» 50 - 91 - - (401907)
Quyida keltirilgan tasdiqlardan qaysilari noto'g'ri?
1) arifmetik progressiyaning ayirmasi uchun $d = \frac{a_n - a_1}{n-1}$ ($n \neq 1$) munosabat o'rinli;
2) $\sin(\alpha + \beta)$, $\sin(\alpha - \beta)$ va $\sin\alpha\cos\beta$ sonlar arifmetik progressiyaning ketma-ket keladigan hadlari bo'ladi;
3) arifmetik progressiya dastlabki n ta hadining yig'indisi uchun $S_n = \frac{2a_1 - (n-1)d}{2} \cdot n$ formula o'rinli;
4) cheksiz kamayuvchi geometrik progressiyaning yig'indisi $S = \frac{b_1}{1-q}$ ga teng;
5) geometrik progressiya dastlabki n ta hadining yig'indisi $S_n = \frac{b_1(1-q^n)}{q-1}$ ($q \neq 1$) formula bilan hisoblanadi;
A) 1; 2; 4 B) 2; 3; 5 C) 1; 4; 5 D) 1; 2; 3

1857. 2.10-2 file-» 50 - 91 - - (401908)
 Quyida keltirilgan tasdiqlardan qaysilari noto'g'ri?
 1) arifmetik progressiyaning ayirmasi uchun $d = \frac{a_n + a_1}{n-1}$ ($n \neq 1$) munosabat o'rinli;
 2) $\sin(\alpha + \beta)$, $\sin\alpha\cos\beta$ va $\sin(\alpha - \beta)$ sonlar arifmetik progressiyaning ketma-ket keladigan hadlari bo'ladi;
 3) arifmetik progressiya dastlabki n ta hadining yig'indisi uchun $S_n = \frac{2a_1 - (n-1)d}{2} \cdot n$ formula o'rinli;
 4) cheksiz kamayuvchi geometrik progressiyaning yig'indisi $S = \frac{b_1}{q-1}$ ga teng;
 5) geometrik progressiya dastlabki n ta hadining yig'indisi $S_n = \frac{b_1(q^n - 1)}{q-1}$ ($q \neq 1$) formula bilan hisoblanadi;
 A) 2; 4; 5 B) 1; 2; 3 **C) 1; 3; 4** D) 2; 3; 5

1858. 2.10-2 file-» 50 - 91 - - (401909)
 Quyida keltirilgan tasdiqlardan qaysilari noto'g'ri?
 1) arifmetik progressiyaning ayirmasi uchun $d = \frac{a_n - a_1}{n-1}$ ($n \neq 1$) munosabat o'rinli;
 2) $\sin(\alpha + \beta)$, $\sin(\alpha - \beta)$ va $\sin\alpha\cos\beta$ sonlar arifmetik progressiyaning ketma-ket keladigan hadlari bo'ladi;
 3) arifmetik progressiya dastlabki n ta hadining yig'indisi uchun $S_n = \frac{2a_1 + (n-1)d}{2} \cdot n$ formula o'rinli;
 4) cheksiz kamayuvchi geometrik progressiyaning yig'indisi $S = \frac{b_1}{q-1}$ ga teng;
 5) geometrik progressiya dastlabki n ta hadining yig'indisi $S_n = \frac{b_1(1 - q^n)}{q-1}$ ($q \neq 1$) formula bilan hisoblanadi;
 A) 1; 2; 3 B) 1; 4; 5 C) 1; 3; 5 **D) 2; 4; 5**

1859. 2.10-2 file-» 50 - 91 - - (401910)
 Quyida keltirilgan tasdiqlardan qaysilari noto'g'ri?
 1) arifmetik progressiyaning ayirmasi uchun $d = \frac{a_n + a_1}{n-1}$ ($n \neq 1$) munosabat o'rinli;
 2) $\sin(\alpha + \beta)$, $\sin\alpha\cos\beta$ va $\sin(\alpha - \beta)$ sonlar arifmetik progressiyaning ketma-ket keladigan hadlari bo'ladi;
 3) arifmetik progressiya dastlabki n ta hadining yig'indisi uchun $S_n = \frac{2a_1 - (n-1)d}{2} \cdot n$ formula o'rinli;
 4) cheksiz kamayuvchi geometrik progressiyaning yig'indisi $S = \frac{b_1}{1-q}$ ga teng;
 5) geometrik progressiya dastlabki n ta hadining yig'indisi $S_n = \frac{b_1(1 - q^n)}{q-1}$ ($q \neq 1$) formula bilan hisoblanadi;
A) 1; 3; 5 B) 2; 3; 4 C) 1; 3; 4 D) 2; 4; 5

1860. 2.10-2 file-» 50 - 91 - - (401911)
 Quyida keltirilgan tasdiqlardan qaysilari noto'g'ri?
 1) arifmetik progressiyaning ayirmasi uchun $d = \frac{a_n + a_1}{n-1}$ ($n \neq 1$) munosabat o'rinli;
 2) $\sin(\alpha + \beta)$, $\sin(\alpha - \beta)$ va $\sin\alpha\cos\beta$ sonlar arifmetik progressiyaning ketma-ket keladigan hadlari bo'ladi;
 3) arifmetik progressiya dastlabki n ta hadining yig'indisi uchun $S_n = \frac{2a_1 + (n-1)d}{2} \cdot n$ formula o'rinli;
 4) cheksiz kamayuvchi geometrik progressiyaning yig'indisi $S = \frac{b_1}{q-1}$ ga teng;
 5) geometrik progressiya dastlabki n ta hadining yig'indisi $S_n = \frac{b_1(q^n - 1)}{q-1}$ ($q \neq 1$) formula bilan hisoblanadi;
A) 1; 2; 4 B) 2; 3; 5 C) 2; 4; 5 D) 1; 3; 4

1861. 2.10-2 file-» 50 - 91 - - (401912)
 Quyida keltirilgan tasdiqlardan qaysilari noto'g'ri?
 1) arifmetik progressiyaning ayirmasi uchun $d = \frac{a_n - a_1}{n-1}$ ($n \neq 1$) munosabat o'rinli;
 2) $\sin(\alpha + \beta)$, $\sin(\alpha - \beta)$ va $\sin\alpha\cos\beta$ sonlar arifmetik progressiyaning ketma-ket keladigan hadlari bo'ladi;
 3) arifmetik progressiya dastlabki n ta hadining yig'indisi uchun $S_n = \frac{2a_1 - (n-1)d}{2} \cdot n$ formula o'rinli;
 4) cheksiz kamayuvchi geometrik progressiyaning yig'indisi $S = \frac{b_1}{1-q}$ ga teng;
 5) geometrik progressiya dastlabki n ta hadining yig'indisi $S_n = \frac{b_1(1 - q^n)}{q-1}$ ($q \neq 1$) formula bilan hisoblanadi;
 A) 1; 2; 4 **B) 2; 3; 5** C) 1; 3; 4 D) 2; 4; 5

1862. 2.10-2 file-» 50 - 91 - - (401913)
 Quyida keltirilgan tasdiqlardan qaysilari noto'g'ri?
 1) arifmetik progressiyaning ayirmasi uchun $d = \frac{a_n + a_1}{n-1}$ ($n \neq 1$) munosabat o'rinli;
 2) $\sin(\alpha + \beta)$, $\sin\alpha\cos\beta$ va $\sin(\alpha - \beta)$ sonlar arifmetik progressiyaning ketma-ket keladigan hadlari bo'ladi;
 3) arifmetik progressiya dastlabki n ta hadining yig'indisi uchun $S_n = \frac{2a_1 + (n-1)d}{2} \cdot n$ formula o'rinli;
 4) cheksiz kamayuvchi geometrik progressiyaning yig'indisi $S = \frac{b_1}{q-1}$ ga teng;
 5) geometrik progressiya dastlabki n ta hadining yig'indisi $S_n = \frac{b_1(1 - q^n)}{q-1}$ ($q \neq 1$) formula bilan hisoblanadi;
 A) 1; 2; 3 B) 2; 4; 5 **C) 1; 4; 5** D) 2; 3; 4

1863. 2.10-2 file-» 50 - 91 - - (401914)
 Quyida keltirilgan tasdiqlardan qaysilari noto'g'ri?
 1) arifmetik progressiyaning ayirmasi uchun $d = \frac{a_n + a_1}{n-1}$ ($n \neq 1$) munosabat o'rinli;
 2) $\sin(\alpha + \beta)$, $\sin(\alpha - \beta)$ va $\sin\alpha\cos\beta$ sonlar arifmetik progressiyaning ketma-ket keladigan hadlari bo'ladi;
 3) arifmetik progressiya dastlabki n ta hadining yig'indisi uchun $S_n = \frac{2a_1 + (n-1)d}{2} \cdot n$ formula o'rinli;
 4) cheksiz kamayuvchi geometrik progressiyaning yig'indisi $S = \frac{b_1}{1-q}$ ga teng;
 5) geometrik progressiya dastlabki n ta hadining yig'indisi $S_n = \frac{b_1(1-q^n)}{q-1}$ ($q \neq 1$) formula bilan hisoblanadi;
 A) 2; 3; 5 B) 1; 2; 4 C) 3; 4; 5 **D) 1; 2; 5**
1864. 2.10-2 file-» 50 - 91 - - (401915)
 Quyida keltirilgan tasdiqlardan qaysilari noto'g'ri?
 1) arifmetik progressiyaning ayirmasi uchun $d = \frac{a_n - a_1}{n-1}$ ($n \neq 1$) munosabat o'rinli;
 2) $\sin(\alpha + \beta)$, $\sin(\alpha - \beta)$ va $\sin\alpha\cos\beta$ sonlar arifmetik progressiyaning ketma-ket keladigan hadlari bo'ladi;
 3) arifmetik progressiya dastlabki n ta hadining yig'indisi uchun $S_n = \frac{2a_1 - (n-1)d}{2} \cdot n$ formula o'rinli;
 4) cheksiz kamayuvchi geometrik progressiyaning yig'indisi $S = \frac{b_1}{q-1}$ ga teng;
 5) geometrik progressiya dastlabki n ta hadining yig'indisi $S_n = \frac{b_1(q^n - 1)}{q-1}$ ($q \neq 1$) formula bilan hisoblanadi;
A) 2; 3; 4 B) 1; 3; 4 C) 1; 2; 5 D) 1; 3; 5
1865. 2.10-2 file-» 50 - 143 - - (704389)
 1 va 81 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 39 B) 37 C) 36 D) 43
1866. 2.10-2 file-» 50 - 143 - - (704390)
 2 va 162 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
 A) 82 **B) 78** C) 72 D) 75
1867. 2.10-2 file-» 50 - 143 - - (704391)
 3 va 243 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
 A) 114 B) 121 **C) 117** D) 108
1868. 2.10-2 file-» 50 - 143 - - (704392)
 4 va 324 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
 A) 144 B) 153 C) 160 **D) 156**
1869. 2.10-2 file-» 50 - 143 - - (704393)
 5 va 405 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 195 B) 180 C) 192 D) 199
1870. 2.10-2 file-» 50 - 143 - - (704394)
 2 va 32 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
 A) 32 **B) 28** C) 24 D) 25
1871. 2.10-2 file-» 50 - 143 - - (704395)
 3 va 48 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
 A) 39 B) 46 **C) 42** D) 36
1872. 2.10-2 file-» 50 - 143 - - (704396)
 4 va 64 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
 A) 48 B) 53 C) 60 **D) 56**
1873. 2.10-2 file-» 50 - 143 - - (704397)
 5 va 80 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 70 B) 60 C) 67 D) 74
1874. 2.10-2 file-» 50 - 143 - - (704398)
 6 va 96 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
 A) 88 **B) 84** C) 72 D) 81
1875. 2.10-2 file-» 50 - 143 - - (704399)
 1 va 256 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
 A) 81 B) 88 **C) 84** D) 80

1876. 2.10-2 file-» 50 - 143 - - (704400)
2 va 512 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 160 B) 165 C) 172 **D) 168**
1877. 2.10-2 file-» 50 - 143 - - (704401)
3 va 768 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 252 B) 240 C) 249 D) 256
1878. 2.10-2 file-» 50 - 143 - - (704402)
4 va 1024 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 340 **B) 336** C) 320 D) 333
1879. 2.10-2 file-» 50 - 143 - - (704403)
5 va 1280 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 417 B) 424 **C) 420** D) 400
1880. 2.10-2 file-» 50 - 143 - - (704404)
 $\frac{1}{3}$ va 27 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 12 B) 10 C) 17 **D) 13**
1881. 2.10-2 file-» 50 - 143 - - (704405)
 $\frac{2}{3}$ va 54 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 26 B) 24 C) 23 D) 30
1882. 2.10-2 file-» 50 - 143 - - (704406)
1 va 81 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 43 **B) 39** C) 36 D) 26
1883. 2.10-2 file-» 50 - 143 - - (704407)
 $\frac{4}{3}$ va 108 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 49 B) 56 **C) 52** D) 48
1884. 2.10-2 file-» 50 - 143 - - (704408)
 $\frac{5}{3}$ va 135 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 60 B) 62 C) 69 **D) 65**
1885. 2.10-2 file-» 50 - 143 - - (704409)
1 va 16 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 14 B) 12 C) 11 D) 18
1886. 2.10-2 file-» 50 - 143 - - (704410)
 $\frac{3}{2}$ va 24 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 25 **B) 21** C) 18 D) 17
1887. 2.10-2 file-» 50 - 143 - - (704411)
2 va 32 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 25 B) 32 **C) 28** D) 24
1888. 2.10-2 file-» 50 - 143 - - (704412)
 $\frac{5}{2}$ va 40 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 30 B) 32 C) 39 **D) 35**
1889. 2.10-2 file-» 50 - 143 - - (704413)
3 va 48 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 42 B) 36 C) 39 D) 46

1890. 2.10-2 file-» 50 - 143 - - (704414)
 $\frac{1}{4}$ va 64 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
 A) 25 **B) 21** C) 20 D) 18
1891. 2.10-2 file-» 50 - 143 - - (704415)
 $\frac{1}{2}$ va 128 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
 A) 39 B) 46 **C) 42** D) 40
1892. 2.10-2 file-» 50 - 143 - - (704416)
 $\frac{3}{4}$ va 192 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
 A) 57 B) 60 C) 67 **D) 63**
1893. 2.10-2 file-» 50 - 143 - - (704417)
 1 va 256 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
A) 84 B) 80 C) 81 D) 88
1894. 2.10-2 file-» 50 - 143 - - (704418)
 $\frac{5}{4}$ va 320 sonlari orasiga uchta musbat son shunday qo'yilganki, natijada u sonlar berilgan sonlar bilan birgalikda geometrik progressiya hosil qilgan. Qo'yilgan sonlarning yig'indisini toping.
 A) 109 **B) 105** C) 100 D) 102
1895. 2.10-3 file-» 19 - 2 - - 3 (87542)
 Чексиз камаювчи геометрик прогрессиянинг йиғиндиси 9 га, махражи эса $\frac{1}{3}$ га тенг. Унинг биринчи ҳамда тўртинчи ҳадларининг айирмасини топинг.
 A) $5\frac{1}{3}$ B) $4\frac{2}{9}$ C) $5\frac{2}{3}$ **D) $5\frac{7}{9}$**
1896. 2.10-3 file-» 19 - 3 - - 9 (94595)
 Олти ҳаддан иборат геометрик прогрессиянинг дастлабки учта ҳадининг йиғиндиси 168 га, кейинги учтасиники эса 21 га тенг. Шу прогрессиянинг биринчи ҳадини топинг.
 A) 86 **B) 96** C) $\frac{1}{2}$ D) 126
1897. 2.10-3 file-» 32 - 1 - - 10 (110534)
 7, 10, 13, ... арифметик прогрессиянинг нечта ҳадининг ҳар бирини қиймати 99 дан катта, 212 дан кичик бўлади?
 A) 33 B) 34 C) 39 **D) 38**
1898. 2.10-3 file-» 22 - 22 - - 11 (122803)
 (b_n) геометрик прогрессияда $b_4 - b_2 = 24$ ва $b_2 + b_3 = 6$ бўлса, b_2 нинг қийматини топинг.
 A) 0,4 **B) 1** C) $1\frac{1}{5}$ D) 2,2
1899. 2.10-3 file-» 19 - 5 - - 2 (123025)
 Арифметик прогрессиянинг биринчи ва тўртинчи ҳади йиғиндиси 26 га тенг, иккинчи ҳади эса бешинчи ҳадидан 6 га кўп. Шу прогрессиянинг тўртинчи ва саккизинчи ҳади йиғиндисини топинг.
 A) 20 B) 10 C) 22 **D) 12**
1900. 2.10-3 file-» 32 - 3 - - 2 (139914)
 Арифметик прогрессиянинг олтинчи ҳади 10 га, дастлабки 16 та ҳадининг йиғиндиси 200 га тенг. Бу прогрессиянинг 9-ҳадини топинг.
 A) 16 B) 14 C) 18 **D) 13**
1901. 2.10-3 file-» 23 - 22 - - 1 (140305)
 Геометрик прогрессиянинг олтинчи ва биринчи ҳади айирмаси 1210 га, махражи 3 га тенг. Шу прогрессиянинг дастлабки олтинчи ҳади йиғиндисини топинг.
A) 1820 B) 1720 C) 1520 D) 605
1902. 2.10-3 file-» 5 - 14 - - 3 (140668)
 Иккинчи ҳади 6 га тенг, биринчи учта ҳадининг йиғиндиси 26 га тенг ўсувчи геометрик прогрессиянинг тўртинчи ва иккинчи ҳадлари айирмасини топинг.
 A) 32 B) 16 C) 36 **D) 48**
1903. 2.10-3 file-» 19 - 8 - - 6 (141389)
 7 га бўлганда, қолдиғи 3 га тенг бўладиган барча икки хонали сонларнинг йиғиндисини топинг.
 A) 656 B) 776 C) 666 **D) 676**

1904. 2.10-3 file-» 51 - 1 - - (175090)
 Геометрик прогрессияда $b_1 + b_5 = 51$ ва $b_2 + b_6 = 102$. Шу прогрессиянинг дастлабки еттита ҳади йиғиндисини топинг.
 A) 361 B) 765 C) 381 D) 399
1905. 2.10-3 file-» 16 - 3 - - 5 (315350)
 $a; 2a + 2; 3a + 4; \dots$ ketma-ketlikning дастлабки 12 ta hadi yig'indisi 288 ga teng. a ning qiymatini toping.
 A) 3 B) 2 C) 5 D) 7
1906. 2.10-3 file-» 23 - 13 - - 10 (315351)
 Cheksiz kamayuvchi geometrik progressiyaning hadlari yig'indisi 8 ga, дастлабки to'rttasiniki esa $\frac{15}{2}$ ga teng. Agar uning barcha hadlari musbat bo'lsa, progressiyaning uchinchi hadini toping.
 A) 2 B) 1 C) 4 D) 3
1907. 2.10-3 file-» 16 - 4 - - 11 (315352)
 $y; 3y + 5; 5y + 10; \dots$ arifmetik progressiyaning дастлабки 8 ta hadi yig'indisi 268 ga teng. y ning qiymatini toping.
A) 2 B) 3 C) 4 D) 5
1908. 2.10-3 file-» 2 - 3 - - 2 (315353)
 Natural sonlar qatori har biri natural sonning kvadrati bilan tugaydigan quyidagicha qismlarga ajratilgan: $\{1\}, \{2,3,4\}, \{5,6,7,8,9\}, \{10,11,12,13,14,15,16\}, \dots$
 9 -qismdagi sonlar yig'indisini toping.
 A) 1121 B) 1241 C) 1221 D) 1729
1909. 2.10-3 file-» 23 - 16 - - 1 (315354)
 Arifmetik progressiyaning дастлабки to'rtta hadi yig'indisi 124 ga, oxirgi to'rttasiniki 156 ga teng. Progressiyaning hadlari yig'indisi 420 ga teng. Progressiyaning nechta hadi bor?
A) 12 B) 14 C) 11 D) 10
1910. 2.10-3 file-» 19 - 2 - - 3 (315355)
 Cheksiz kamayuvchi geometrik progressiyaning yig'indisi 9 ga, maxraji esa $\frac{1}{3}$ ga teng. Uning birinchi hamda to'rtinchi hadlarining ayirmasini toping.
 A) $5\frac{1}{3}$ B) $4\frac{2}{9}$ C) $5\frac{2}{3}$ D) $5\frac{7}{9}$
1911. 2.10-3 file-» 19 - 3 - - 9 (315356)
 Olti haddan iborat geometrik progressiyaning дастлабки uchta hadining yig'indisi 168 ga, keyingi uchtasiniki esa 21 ga teng. Shu progressiyaning birinchi hadini toping.
 A) 86 B) 96 C) $\frac{1}{2}$ D) 126
1912. 2.10-3 file-» 22 - 20 - - 6 (315357)
 Arifmetik progressiyaning дастлабки sakkizta hadi yig'indisi 32 ga, дастлабки yigirmata hadining yig'indisi 200 ga teng. Progressiyaning дастлабки 26 ta hadining yig'indisini toping.
 A) 238 B) 342 C) 338 D) 260
1913. 2.10-3 file-» 32 - 1 - - 10 (315358)
 7, 10, 13, ... arifmetik progressiyaning nechta hadining har birini qiymati 99 dan katta, 212 dan kichik bo'ladi?
 A) 33 B) 34 C) 39 D) 38
1914. 2.10-3 file-» 23 - 18 - - 7 (315359)
 $2; b_2$ va b_3 sonlari o'suvchi geometrik progressiyaning дастлабки uchta hadidan iborat. Agar bu progressiyaning ikkinchi hadiga 25 qo'shilsa, hosil bo'lgan sonlar arifmetik progressiyaning дастлабки uchta hadini tashkil etadi. Berilgan progressiyaning maxrajini toping.
 A) 3 B) 2 C) 6 D) 5
1915. 2.10-3 file-» 32 - 2 - - 11 (315360)
 Kamayuvchi geometrik progressiya tashkil etuvchi uchta sondan uchinchi 24 ga teng. Agar uchinchi son o'rniga 18 soni olinsa, shu uchta son arifmetik progressiya tashkil etadi. Birinchi sonni toping.
 A) 50 B) 63 C) 54 D) 36
1916. 2.10-3 file-» 22 - 22 - - 11 (315361)
 (b_n) geometrik progressiyada $b_4 - b_2 = 24$ va $b_2 + b_3 = 6$ bo'lsa, b_2 ning qiymatini toping.
 A) 0,4 B) 1 C) $1\frac{1}{5}$ D) 2,2
1917. 2.10-3 file-» 19 - 5 - - 2 (315362)
 Arifmetik progressiyaning birinchi va to'rtinchi hadi yig'indisi 26 ga teng, ikkinchi hadi esa beshinchi hadidan 6 ga ko'p. Shu progressiyaning to'rtinchi va sakkizinchi hadi yig'indisini toping.
 A) 20 B) 10 C) 22 D) 12
1918. 2.10-3 file-» 16 - 11 - - 11 (315363)
 Arifmetik progressiyaning hadlari 60 ta. Uning juft o'rinda turgan hadlari yig'indisi toq o'rinda turgan hadlari yig'indisidan 10 ga ko'p. Progressiyaning to'rtinchi hadi 4,5 ga teng. Progressiyaning hadlari yig'indisini toping.
 A) 900 B) 700 C) 800 D) 1065
1919. 2.10-3 file-» 19 - 7 - - 12 (315364)
 Hadlarining yig'indisi $1\frac{3}{5}$ ga, ikkinchi hadi $\frac{3}{8}$ ga teng bo'lgan cheksiz kamayuvchi geometrik progressiyaning maxrajini toping.
 A) $\frac{3}{5}; \frac{3}{8}$ B) $\frac{1}{8}$ C) $\frac{3}{8}; \frac{5}{8}$ D) $\frac{3}{5}$

1920. 2.10-3 file-» 32 - 3 - - 2 (315365)
Arifmetik progressiyaning oltinchi hadi 10 ga, dastlabki 16 ta hadining yig'indisi 200 ga teng. Bu progressiyaning 9-hadini toping.
A) 16 B) 14 C) 18 D) 13
1921. 2.10-3 file-» 23 - 22 - - 1 (315366)
Geometrik progressiyaning oltinchi va birinchi hadi ayirmasi 1210 ga, maxraji 3 ga teng. Shu progressiyaning dastlabki oltita hadi yig'indisini toping.
A) 1820 B) 1720 C) 1520 D) 605
1922. 2.10-3 file-» 5 - 14 - - 3 (315367)
Ikkinchi hadi 6 ga teng, birinchi uchta hadining yig'indisi 26 ga teng o'suvchi geometrik progressiyaning to'rtinchi va ikkinchi hadlari ayirmasini toping.
A) 32 B) 16 C) 36 D) 48
1923. 2.10-3 file-» 19 - 8 - - 6 (315368)
7 ga bo'lganda, qoldig'i 3 ga teng bo'ladigan barcha ikki xonali sonlarning yig'indisini toping.
A) 656 B) 776 C) 666 D) 676
1924. 2.10-3 file-» 51 - 1 - - (315369)
Geometrik progressiyada $b_1 + b_5 = 51$ va $b_2 + b_6 = 102$. Shu progressiyaning dastlabki yettita hadi yig'indisini toping.
A) 361 B) 765 C) 381 D) 399
1925. 2.10-3 file-» 28 - 1 - - (401916)
Geometrik progressiyaning dastlabki 6 ta hadi 7, b_2 , b_3 , b_4 , b_5 va 224 bo'lsa, $b_2 - b_3 - b_4 + b_5$ ni hisoblang.
A) 42 B) 40 C) 48 D) 96
1926. 2.10-3 file-» 28 - 2 - - (401917)
Geometrik progressiyaning dastlabki 6 ta hadlari 4, a_2 , a_3 , a_4 , a_5 va 972 bo'lsa, $a_2 + a_3 - a_4 + a_5$ ni hisoblang.
A) 254 B) 264 C) 348 D) 324
1927. 2.10-3 file-» 17 - 1 - - (401918)
Agar olti hadli geometrik progressiyaning dastlabki uchta hadining yig'indisi 112 ga va oxiridagi uchta hadining yig'indisi 14 ga teng bo'lsa, ikkinchi hadi nechaga teng bo'ladi?
A) 36 B) 64 C) 56 D) 32
1928. 2.10-3 file-» 22 - 17 - - (401919)
Arifmetik progressiyaning dastlabki 16 ta hadi yig'indisi 528 ga, oxirgi hadi (a_{16}) 63 ga teng. Shu progressiyaning ayirmasini toping.
A) 4 B) 7 C) 6 D) 5
1929. 2.10-3 file-» 22 - 18 - - (401920)
Geometrik progressiyaning birinchi hadi 1458 ga, maxraji $\frac{1}{3}$ ga teng. Shu progressiyaning dastlabki to'rtta hadi yig'indisini toping.
A) 2680 B) 840 C) 720 D) 2160
1930. 2.10-3 file-» 23 - 15 - - 2 (401921)
Ishorasi almashinuvchi geometrik progressiyaning birinchi hadi 3 ga, uchinchi hadi 12 ga teng. Shu progressiyaning dastlabki 6 ta hadi yig'indisini toping.
A) -63 B) -20 C) -42 D) 42
1931. 2.10-3 file-» 19 - 2 - - 3 (401922)
Arifmetik progressiyaning dastlabki nechta hadini olmaylik ularning yig'indisi hadlar soni kvadratining uchlanganiga teng. Shu progressiyaning sakkizinchi hadini toping.
A) 42 B) 45 C) 31 D) 39
1932. 2.10-3 file-» 31 - 1 - - 8 (401923)
25 va 4 sonlari orasiga shu sonlar bilan arifmetik progressiya tashkil etadigan bir nechta son joylashtirildi. Agar joylashtirilgan sonlarning yig'indisi 87 ga teng bo'lsa, nechta had joylashtirilgan?
A) 11 B) 6 C) 9 D) 12
1933. 2.10-3 file-» 22 - 20 - - 6 (401924)
O'suvchi geometrik progressiyaning dastlabki to'rtta hadi yig'indisi 45 ga, undan keyingi to'rttasiniki esa 720 ga teng. Shu progressiyaning dastlabki oltita hadi yig'indisini toping.
A) 189 B) 112 C) 63 D) 171
1934. 2.10-3 file-» 17 - 3 - - 9 (401925)
2 va 94 sonlari orasiga 20 ta shunday son qo'yilganki, natijada hosil bo'lgan ketma-ketlik arifmetik progressiyani tashkil etgan. Shu progressiya hadlarining o'rta arifmetigini toping.
A) 46 B) 48 C) 44 D) 33,5
1935. 2.10-3 file-» 22 - 22 - - 9 (401926)
O'zidan oldingi toq natural sonlar yig'indisining $\frac{1}{9}$ qismiga teng bo'lgan natural sonni toping.
A) 36 B) 24 C) 32 D) 64
1936. 2.10-3 file-» 19 - 6 - - 8 (401927)
Arifmetik progressiyaning to'rtinchi va o'n birinchi hadlari mos ravishda 15 va 43 ga teng. Shu progressiyaning uchinchi va o'ninchi hadi yig'indisini toping.
A) 60 B) 68 C) 24 D) 50

1937. 2.10-3 file-» 32 - 3 - - 2 (401928)
 Арифметик progressiyaning oltinchi hadi 17 ga, dastlabki 16 ta hadining yig'indisi 392 ga teng. Bu progressiyaning 9-hadini toping.
A) 26 B) 24 C) 18 D) 13
1938. 2.10-3 file-» 23 - 22 - - 1 (401929)
 Geometrik progressiyaning oltinchi va birinchi hadi ayirmasi 186 ga, maxraji 2 ga teng. Shu progressiyaning dastlabki oltita hadi yig'indisini toping.
 A) 1820 **B) 378** C) 360 D) 910
1939. 2.10-3 file-» 22 - 25 - - 9 (401930)
 O'suvchi geometrik progressiyaning birinchi hadi 2 ga, yettinchi va to'rtinchi hadlarining ayirmasi 1404 ga teng. Shu progressiyaning maxrajini toping.
A) 3 B) 2 C) 4 D) $2\sqrt{2}$
1940. 2.10-4 file-» 16 - 3 - - 5 (69010)
 $a; 2a + 2; 3a + 4; \dots$ ketma- ketlikning dastlabki 12 ta hadi yig'indisi 288 ga teng. a ning qiymatini toping.
 A) 3 **B) 2** C) 5 D) 7
1941. 2.10-4 file-» 23 - 13 - - 10 (71102)
 Чексиз камаювчи геометрик progressiyaning hadlari yig'indisi 8 ga, dastlabki t'urtgasiniki esa $\frac{15}{2}$ ga teng. Agar uning barча hadlari musbat b'ulsa, progressiyaning uchinchi hadini toping.
 A) 2 **B) 1** C) 4 D) 3
1942. 2.10-4 file-» 16 - 4 - - 11 (72697)
 $y; 3y + 5; 5y + 10; \dots$ arifmetik progressiyaning dastlabki 8 ta hadi yig'indisi 268 ga teng. y ning qiymatini toping.
A) 2 B) 3 C) 4 D) 5
1943. 2.10-4 file-» 2 - 3 - - 2 (86139)
 Natural sonlar qatori qar бири natural sonning kvadrati bilan tugaidigan quyidagicha qismlarga ajratilgan: {1}, {2,3,4}, {5,6,7,8,9}, {10,11,12,13,14,15,16}, ... 9 - qismdagi sonlar yig'indisini toping.
 A) 1121 **B) 1241** C) 1221 D) 1729
1944. 2.10-4 file-» 23 - 16 - - 1 (86921)
 Арифметик progressiyaning dastlabki t'urtta hadi yig'indisi 124 ga, oxirgi t'urtgasiniki 156 ga teng. Progressiyaning hadlari yig'indisi 420 ga teng. Progressiyaning nechta hadi bor?
A) 12 B) 14 C) 11 D) 10
1945. 2.10-4 file-» 22 - 20 - - 6 (96069)
 Арифметик progressiyaning dastlabki sakkitza hadi yig'indisi 32 ga, dastlabki yigirmata hadining yig'indisi 200 ga teng. Progressiyaning dastlabki 26 ta hadining yig'indisini toping.
 A) 238 B) 342 **C) 338** D) 260
1946. 2.10-4 file-» 23 - 18 - - 7 (115468)
 $2; b_2$ va b_3 sonlari usuvchi geometrik progressiyaning dastlabki uchta hadidan iborat. Agar bu progressiyaning ikkinchi hadiga 25 kushilsa, hosil b'ulgan sonlar arifmetik progressiyaning dastlabki uchta hadini tashkil etadi. Berilgan progressiyaning maxrajini toping.
 A) 3 B) 2 **C) 6** D) 5
1947. 2.10-4 file-» 32 - 2 - - 11 (119884)
 Камаювчи геометрик progressiya tashkil etuvchi uchta sonдан uchinchisi 24 ga teng. Agar uchinchi son urniga 18 soni olinsa, шу uchta son arifmetik progressiya tashkil etadi. Birinchi sonni toping.
 A) 50 B) 63 **C) 54** D) 36
1948. 2.10-4 file-» 16 - 11 - - 11 (135966)
 Арифметик progressiyaning hadlari 60 ta. Uning juft urinda turган hadlari yig'indisi toq urinda turган hadlari yig'indisidan 10 ga kup. Progressiyaning t'urtinchi hadi 4,5 ga teng. Progressiyaning hadlari yig'indisini toping.
 A) 900 B) 700 **C) 800** D) 1065
1949. 2.10-4 file-» 19 - 7 - - 12 (136869)
 Hadlarining yig'indisi $1\frac{3}{5}$ ga, ikkinchi hadi $\frac{3}{8}$ ga teng b'ulgan chексиз камаювчи геометрик progressiyaning maxrajini toping.
 A) $\frac{3}{5}; \frac{3}{8}$ B) $\frac{1}{8}$ **C) $\frac{3}{8}; \frac{5}{8}$** D) $\frac{3}{5}$
1950. 3.1-1 file-» 50 - 136 - - (704419)
 $y = (2x - 3) \ln x$ funksiyaning hosilasini toping.
 A) $-\frac{2x-3}{x}$ B) $2 \ln x - \frac{2x-3}{x}$
 C) $\frac{2x-3}{x}$ **D) $2 \ln x + \frac{2x-3}{x}$**
1951. 3.1-1 file-» 50 - 136 - - (704420)
 $y = (3x - 5) \ln x$ funksiyaning hosilasini toping.
A) $3 \ln x + \frac{3x-5}{x}$ B) $-\frac{3x-5}{x}$
 C) $3 \ln x - \frac{3x-5}{x}$ D) $\frac{3x-5}{x}$

1952. 3.1-1 file-» 50 - 136 - - (704421)
 $y = (4x - 7) \ln x$ funksiyaning hosilasini toping.
 A) $\frac{4x-7}{x}$ B) $4 \ln x + \frac{4x-7}{x}$ C) $-\frac{4x-7}{x}$
 D) $4 \ln x - \frac{4x-7}{x}$
1953. 3.1-1 file-» 50 - 136 - - (704422)
 $y = (5x - 9) \ln x$ funksiyaning hosilasini toping.
 A) $5 \ln x - \frac{5x-9}{x}$ B) $\frac{5x-9}{x}$
 C) $5 \ln x + \frac{5x-9}{x}$ D) $-\frac{5x-9}{x}$
1954. 3.1-1 file-» 50 - 136 - - (704423)
 $y = (6x - 11) \ln x$ funksiyaning hosilasini toping.
 A) $-\frac{6x-11}{x}$ B) $6 \ln x - \frac{6x-11}{x}$
 C) $\frac{6x-11}{x}$ D) $6 \ln x + \frac{6x-11}{x}$
1955. 3.1-1 file-» 50 - 136 - - (704424)
 $y = (7x - 13) \ln x$ funksiyaning hosilasini toping.
 A) $7 \ln x + \frac{7x-13}{x}$ B) $-\frac{7x-13}{x}$
 C) $7 \ln x - \frac{7x-13}{x}$ D) $\frac{7x-13}{x}$
1956. 3.1-1 file-» 50 - 136 - - (704425)
 $y = (2x - 5) e^x$ funksiyaning hosilasini toping.
 A) $(2x - 7) e^x$ B) $2e^x$
 C) $e^x + x(2x - 5) e^{x-1}$ D) $(2x - 3) e^x$
1957. 3.1-1 file-» 50 - 136 - - (704426)
 $y = (3x - 7) e^x$ funksiyaning hosilasini toping.
 A) $(3x - 4) e^x$ B) $(3x - 10) e^x$ C) $3e^x$
 D) $e^x + x(3x - 7) e^{x-1}$
1958. 3.1-1 file-» 50 - 136 - - (704427)
 $y = (4x - 9) e^x$ funksiyaning hosilasini toping.
 A) $e^x + x(4x - 9) e^{x-1}$ B) $(4x - 5) e^x$
 C) $(4x - 13) e^x$ D) $4e^x$
1959. 3.1-1 file-» 50 - 136 - - (704428)
 $y = (5x - 11) e^x$ funksiyaning hosilasini toping.
 A) $5e^x$ B) $e^x + x(5x - 11) e^{x-1}$
 C) $(5x - 6) e^x$ D) $(5x - 16) e^x$
1960. 3.1-1 file-» 50 - 136 - - (704429)
 $y = (6x - 13) e^x$ funksiyaning hosilasini toping.
 A) $(6x - 19) e^x$ B) $6e^x$
 C) $e^x + x(6x - 13) e^{x-1}$ D) $(6x - 7) e^x$
1961. 3.1-1 file-» 50 - 136 - - (704430)
 $y = (7x - 15) e^x$ funksiyaning hosilasini toping.
 A) $(7x - 8) e^x$ B) $(7x - 22) e^x$ C) $7e^x$
 D) $e^x + x(7x - 15) e^{x-1}$

1962. 3.1-1 file-» 50 - 136 - - (704431)
 $y = (5x - 3) \sin x$ funksiyaning hosilasini toping.
 A) $5 \sin x - (5x - 3) \cos x$ B) $5 \sin x$
 C) $5 \cos x$ D) $5 \sin x + (5x - 3) \cos x$
1963. 3.1-1 file-» 50 - 136 - - (704432)
 $y = (7x - 4) \sin x$ funksiyaning hosilasini toping.
 A) $7 \sin x + (7x - 4) \cos x$
 B) $7 \sin x - (7x - 4) \cos x$ C) $7 \sin x$
 D) $7 \cos x$
1964. 3.1-1 file-» 50 - 136 - - (704433)
 $y = (9x - 5) \sin x$ funksiyaning hosilasini toping.
 A) $9 \cos x$ B) $9 \sin x + (9x - 5) \cos x$
 C) $9 \sin x - (9x - 5) \cos x$ D) $9 \sin x$
1965. 3.1-1 file-» 50 - 136 - - (704434)
 $y = (11x - 6) \sin x$ funksiyaning hosilasini toping.
 A) $11 \sin x$ B) $11 \cos x$
 C) $11 \sin x + (11x - 6) \cos x$
 D) $11 \sin x - (11x - 6) \cos x$
1966. 3.1-1 file-» 50 - 136 - - (704435)
 $y = (13x - 7) \sin x$ funksiyaning hosilasini toping.
 A) $13 \sin x - (13x - 7) \cos x$ B) $13 \sin x$
 C) $13 \cos x$ D) $13 \sin x + (13x - 7) \cos x$
1967. 3.1-1 file-» 50 - 136 - - (704436)
 $y = (15x - 8) \sin x$ funksiyaning hosilasini toping.
 A) $15 \sin x + (15x - 8) \cos x$
 B) $15 \sin x - (15x - 8) \cos x$ C) $15 \sin x$
 D) $15 \cos x$
1968. 3.1-1 file-» 50 - 136 - - (704437)
 $y = (7x - 3) \cos x$ funksiyaning hosilasini toping.
 A) $-7 \sin x$ B) $7 \cos x - (7x - 3) \sin x$
 C) $7 \cos x + (7x - 3) \sin x$ D) $7 \cos x$
1969. 3.1-1 file-» 50 - 136 - - (704438)
 $y = (9x - 4) \cos x$ funksiyaning hosilasini toping.
 A) $9 \cos x$ B) $-9 \sin x$
 C) $9 \cos x - (9x - 4) \sin x$
 D) $9 \cos x + (9x - 4) \sin x$
1970. 3.1-1 file-» 50 - 136 - - (704439)
 $y = (11x - 5) \cos x$ funksiyaning hosilasini toping.
 A) $11 \cos x + (11x - 5) \sin x$ B) $11 \cos x$
 C) $-11 \sin x$ D) $11 \cos x - (11x - 5) \sin x$
1971. 3.1-1 file-» 50 - 136 - - (704440)
 $y = (13x - 6) \cos x$ funksiyaning hosilasini toping.
 A) $13 \cos x - (13x - 6) \sin x$
 B) $13 \cos x + (13x - 6) \sin x$ C) $13 \cos x$
 D) $-13 \sin x$

1972. 3.1-1 file-» 50 - 136 - - (704441)
 $y = (15x - 7) \cos x$ funksiyaning hosilasini toping.
 A) $-15 \sin x$ B) $15 \cos x - (15x - 7) \sin x$
 C) $15 \cos x + (15x - 7) \sin x$ D) $15 \cos x$

1973. 3.1-1 file-» 50 - 136 - - (704442)
 $y = (17x - 8) \cos x$ funksiyaning hosilasini toping.
 A) $17 \cos x$ B) $-17 \sin x$
 C) $17 \cos x - (17x - 8) \sin x$
 D) $17 \cos x + (17x - 8) \sin x$

1974. 3.1-1 file-» 50 - 136 - - (704443)
 $y = (2x - 4) \operatorname{tg} x$ funksiyaning hosilasini toping.
 A) $2 \operatorname{tg} x - \frac{2x - 4}{\sin^2 x}$ B) $2 \operatorname{tg} x + \frac{2x - 4}{\sin^2 x}$
 C) $2 \operatorname{tg} x + \frac{2x - 4}{\cos^2 x}$ D) $2 \operatorname{tg} x - \frac{2x - 4}{\cos^2 x}$

1975. 3.1-1 file-» 50 - 136 - - (704444)
 $y = (3x - 6) \operatorname{tg} x$ funksiyaning hosilasini toping.
 A) $3 \operatorname{tg} x - \frac{3x - 6}{\cos^2 x}$ B) $3 \operatorname{tg} x - \frac{3x - 6}{\sin^2 x}$
 C) $3 \operatorname{tg} x + \frac{3x - 6}{\sin^2 x}$ D) $3 \operatorname{tg} x + \frac{3x - 6}{\cos^2 x}$

1976. 3.1-1 file-» 50 - 136 - - (704445)
 $y = (4x - 8) \operatorname{tg} x$ funksiyaning hosilasini toping.
 A) $4 \operatorname{tg} x + \frac{4x - 8}{\cos^2 x}$ B) $4 \operatorname{tg} x - \frac{4x - 8}{\cos^2 x}$
 C) $4 \operatorname{tg} x - \frac{4x - 8}{\sin^2 x}$ D) $4 \operatorname{tg} x + \frac{4x - 8}{\sin^2 x}$

1977. 3.1-1 file-» 50 - 136 - - (704446)
 $y = (5x - 10) \operatorname{tg} x$ funksiyaning hosilasini toping.
 A) $5 \operatorname{tg} x + \frac{5x - 10}{\sin^2 x}$ B) $5 \operatorname{tg} x + \frac{5x - 10}{\cos^2 x}$
 C) $5 \operatorname{tg} x - \frac{5x - 10}{\cos^2 x}$ D) $5 \operatorname{tg} x - \frac{5x - 10}{\sin^2 x}$

1978. 3.1-1 file-» 50 - 136 - - (704447)
 $y = (6x - 12) \operatorname{tg} x$ funksiyaning hosilasini toping.
 A) $6 \operatorname{tg} x - \frac{6x - 12}{\sin^2 x}$ B) $6 \operatorname{tg} x + \frac{6x - 12}{\sin^2 x}$
 C) $6 \operatorname{tg} x + \frac{6x - 12}{\cos^2 x}$ D) $6 \operatorname{tg} x - \frac{6x - 12}{\cos^2 x}$

1979. 3.1-1 file-» 50 - 136 - - (704448)
 $y = (7x - 14) \operatorname{tg} x$ funksiyaning hosilasini toping.
 A) $7 \operatorname{tg} x - \frac{7x - 14}{\cos^2 x}$ B) $7 \operatorname{tg} x - \frac{7x - 14}{\sin^2 x}$
 C) $7 \operatorname{tg} x + \frac{7x - 14}{\sin^2 x}$ D) $7 \operatorname{tg} x + \frac{7x - 14}{\cos^2 x}$

1980. 3.1-1 file-» 50 - 141 - - (719430)
 $y = (3x - 2) \ln x$ funksiyaning hosilasini toping.
 A) $-\frac{3x - 2}{x}$ B) $3 \ln x - \frac{3x - 2}{x}$ C) $\frac{3x - 2}{x}$
 D) $3 \ln x + \frac{3x - 2}{x}$

1981. 3.1-1 file-» 50 - 141 - - (719431)
 $y = (5x - 3) \ln x$ funksiyaning hosilasini toping.
 A) $5 \ln x + \frac{5x - 3}{x}$ B) $-\frac{5x - 3}{x}$
 C) $5 \ln x - \frac{5x - 3}{x}$ D) $\frac{5x - 3}{x}$

1982. 3.1-1 file-» 50 - 141 - - (719432)
 $y = (7x - 4) \ln x$ funksiyaning hosilasini toping.
 A) $\frac{7x - 4}{x}$ B) $7 \ln x + \frac{7x - 4}{x}$ C) $-\frac{7x - 4}{x}$
 D) $7 \ln x - \frac{7x - 4}{x}$

1983. 3.1-1 file-» 50 - 141 - - (719433)
 $y = (9x - 5) \ln x$ funksiyaning hosilasini toping.
 A) $9 \ln x - \frac{9x - 5}{x}$ B) $\frac{9x - 5}{x}$
 C) $9 \ln x + \frac{9x - 5}{x}$ D) $-\frac{9x - 5}{x}$

1984. 3.1-1 file-» 50 - 141 - - (719434)
 $y = (11x - 6) \ln x$ funksiyaning hosilasini toping.
 A) $-\frac{11x - 6}{x}$ B) $11 \ln x - \frac{11x - 6}{x}$
 C) $\frac{11x - 6}{x}$ D) $11 \ln x + \frac{11x - 6}{x}$

1985. 3.1-1 file-» 50 - 141 - - (719435)
 $y = (13x - 7) \ln x$ funksiyaning hosilasini toping.
 A) $13 \ln x + \frac{13x - 7}{x}$ B) $-\frac{13x - 7}{x}$
 C) $13 \ln x - \frac{13x - 7}{x}$ D) $\frac{13x - 7}{x}$

1986. 3.1-1 file-» 50 - 141 - - (719436)
 $y = (3x - 4) e^x$ funksiyaning hosilasini toping.
 A) $(3x - 7) e^x$ B) $3e^x$
 C) $e^x + x(3x - 4) e^{x-1}$ D) $(3x - 1) e^x$

1987. 3.1-1 file-» 50 - 141 - - (719437)
 $y = (5x - 7) e^x$ funksiyaning hosilasini toping.
 A) $(5x - 2) e^x$ B) $(5x - 12) e^x$ C) $5e^x$
 D) $e^x + x(5x - 7) e^{x-1}$

1988. 3.1-1 file-» 50 - 141 - - (719438)
 $y = (7x - 10) e^x$ funksiyaning hosilasini toping.
 A) $e^x + x(7x - 10) e^{x-1}$ B) $(7x - 3) e^x$
 C) $(7x - 17) e^x$ D) $7e^x$

1989. 3.1-1 file-» 50 - 141 - - (719439)
 $y = (9x - 13)e^x$ funksiyaning hosilasini toping.
 A) $9e^x$ B) $e^x + x(9x - 13)e^{x-1}$
C) $(9x - 4)e^x$ D) $(9x - 22)e^x$
1990. 3.1-1 file-» 50 - 141 - - (719440)
 $y = (11x - 16)e^x$ funksiyaning hosilasini toping.
 A) $(11x - 27)e^x$ B) $11e^x$
 C) $e^x + x(11x - 16)e^{x-1}$ D) $(11x - 5)e^x$
1991. 3.1-1 file-» 50 - 141 - - (719441)
 $y = (13x - 19)e^x$ funksiyaning hosilasini toping.
A) $(13x - 6)e^x$ B) $(13x - 32)e^x$ C) $13e^x$
 D) $e^x + x(13x - 19)e^{x-1}$
1992. 3.1-1 file-» 50 - 141 - - (719442)
 $y = (3x - 5)\sin x$ funksiyaning hosilasini toping.
 A) $3\sin x - (3x - 5)\cos x$ B) $3\sin x$
 C) $3\cos x$ D) $3\sin x + (3x - 5)\cos x$
1993. 3.1-1 file-» 50 - 141 - - (719443)
 $y = (4x - 7)\sin x$ funksiyaning hosilasini toping.
A) $4\sin x + (4x - 7)\cos x$
 B) $4\sin x - (4x - 7)\cos x$ C) $4\sin x$
 D) $4\cos x$
1994. 3.1-1 file-» 50 - 141 - - (719444)
 $y = (5x - 9)\sin x$ funksiyaning hosilasini toping.
 A) $5\cos x$ B) $5\sin x + (5x - 9)\cos x$
 C) $5\sin x - (5x - 9)\cos x$ D) $5\sin x$
1995. 3.1-1 file-» 50 - 141 - - (719445)
 $y = (6x - 11)\sin x$ funksiyaning hosilasini toping.
 A) $6\sin x$ B) $6\cos x$
C) $6\sin x + (6x - 11)\cos x$
 D) $6\sin x - (6x - 11)\cos x$
1996. 3.1-1 file-» 50 - 141 - - (719446)
 $y = (7x - 13)\sin x$ funksiyaning hosilasini toping.
 A) $7\sin x - (7x - 13)\cos x$ B) $7\sin x$
 C) $7\cos x$ D) $7\sin x + (7x - 13)\cos x$
1997. 3.1-1 file-» 50 - 141 - - (719447)
 $y = (8x - 15)\sin x$ funksiyaning hosilasini toping.
A) $8\sin x + (8x - 15)\cos x$
 B) $8\sin x - (8x - 15)\cos x$ C) $8\sin x$
 D) $8\cos x$
1998. 3.1-1 file-» 50 - 141 - - (719448)
 $y = (4x - 5)\cos x$ funksiyaning hosilasini toping.
 A) $-4\sin x$ B) $4\cos x - (4x - 5)\sin x$
 C) $4\cos x + (4x - 5)\sin x$ D) $4\cos x$
1999. 3.1-1 file-» 50 - 141 - - (719449)
 $y = (5x - 7)\cos x$ funksiyaning hosilasini toping.
 A) $5\cos x$ B) $-5\sin x$
C) $5\cos x - (5x - 7)\sin x$
 D) $5\cos x + (5x - 7)\sin x$

2000. 3.1-1 file-» 50 - 141 - - (719450)
 $y = (6x - 9)\cos x$ funksiyaning hosilasini toping.
 A) $6\cos x + (6x - 9)\sin x$ B) $6\cos x$
 C) $-6\sin x$ D) $6\cos x - (6x - 9)\sin x$
2001. 3.1-1 file-» 50 - 141 - - (719451)
 $y = (7x - 11)\cos x$ funksiyaning hosilasini toping.
A) $7\cos x - (7x - 11)\sin x$
B) $7\cos x + (7x - 11)\sin x$ C) $7\cos x$
 D) $-7\sin x$
2002. 3.1-1 file-» 50 - 141 - - (719452)
 $y = (8x - 13)\cos x$ funksiyaning hosilasini toping.
 A) $-8\sin x$ B) $8\cos x - (8x - 13)\sin x$
 C) $8\cos x + (8x - 13)\sin x$ D) $8\cos x$
2003. 3.1-1 file-» 50 - 141 - - (719453)
 $y = (9x - 15)\cos x$ funksiyaning hosilasini toping.
 A) $9\cos x$ B) $-9\sin x$
C) $9\cos x - (9x - 15)\sin x$
 D) $9\cos x + (9x - 15)\sin x$
2004. 3.1-1 file-» 50 - 141 - - (719454)
 $y = (6x - 2)tgx$ funksiyaning hosilasini toping.
 A) $6tgx - \frac{6x - 2}{\sin^2 x}$ B) $6tgx + \frac{6x - 2}{\sin^2 x}$
C) $6tgx + \frac{6x - 2}{\cos^2 x}$ D) $6tgx - \frac{6x - 2}{\cos^2 x}$
2005. 3.1-1 file-» 50 - 141 - - (719455)
 $y = (8x - 3)tgx$ funksiyaning hosilasini toping.
 A) $8tgx - \frac{8x - 3}{\cos^2 x}$ B) $8tgx - \frac{8x - 3}{\sin^2 x}$
 C) $8tgx + \frac{8x - 3}{\sin^2 x}$ D) $8tgx + \frac{8x - 3}{\cos^2 x}$
2006. 3.1-1 file-» 50 - 141 - - (719456)
 $y = (10x - 4)tgx$ funksiyaning hosilasini toping.
A) $10tgx + \frac{10x - 4}{\cos^2 x}$ B) $10tgx - \frac{10x - 4}{\cos^2 x}$
 C) $10tgx - \frac{10x - 4}{\sin^2 x}$ D) $10tgx + \frac{10x - 4}{\sin^2 x}$
2007. 3.1-1 file-» 50 - 141 - - (719457)
 $y = (12x - 5)tgx$ funksiyaning hosilasini toping.
 A) $12tgx + \frac{12x - 5}{\sin^2 x}$ B) $12tgx + \frac{12x - 5}{\cos^2 x}$
 C) $12tgx - \frac{12x - 5}{\cos^2 x}$ D) $12tgx - \frac{12x - 5}{\sin^2 x}$

2008. 3.1-1 file-» 50 - 141 - - (719458)
 $y = (14x - 6) \operatorname{tg} x$ funksiyaning hosilasini toping.
 A) $14 \operatorname{tg} x - \frac{14x - 6}{\sin^2 x}$ B) $14 \operatorname{tg} x + \frac{14x - 6}{\sin^2 x}$
 C) $14 \operatorname{tg} x + \frac{14x - 6}{\cos^2 x}$ D) $14 \operatorname{tg} x - \frac{14x - 6}{\cos^2 x}$
2009. 3.1-1 file-» 50 - 141 - - (719459)
 $y = (16x - 7) \operatorname{tg} x$ funksiyaning hosilasini toping.
 A) $16 \operatorname{tg} x - \frac{16x - 7}{\cos^2 x}$ B) $16 \operatorname{tg} x - \frac{16x - 7}{\sin^2 x}$
 C) $16 \operatorname{tg} x + \frac{16x - 7}{\sin^2 x}$ D) $16 \operatorname{tg} x + \frac{16x - 7}{\cos^2 x}$
2010. 3.1-2 file-» 22 - 15 - - (36405)
 $f(x) = -2 \sin x - \frac{(\sqrt{\pi})^3}{\sqrt{x}} + \frac{\pi}{2}$.
 $f'(\pi)$ ни ҳисобланг.
 A) $\frac{\sqrt{\pi}}{2}$ B) $-1,5$ C) $0,5$ D) 2,5
2011. 3.1-2 file-» 23 - 3 - - (36540)
 $f(x) = \frac{1}{3}x^3 - 5 \ln x$ функциянинг графигига
 $x_0 = 2$ нуқтада ўтказилган уринманинг бурчак коэффициентини топинг.
 A) 3,5 B) 3 C) 2 D) 1,5
2012. 3.1-2 file-» 23 - 4 - - (36599)
 $y = \frac{1}{2}x^2 - \frac{3}{2} \ln x$ функциянинг графигига $x_0 = 2$
 нуқтада ўтказилган уринманинг бурчак коэффициентини топинг.
 A) $-2,5$ B) 2 C) 1,5 D) 1,25
2013. 3.1-2 file-» 6 - 7 - - (56428)
 $y = \frac{1}{3}x^3 + \frac{1}{2}x^2 - 6x$ функциянинг графигига
 ўтказилган уринма x нинг қандай қийматларида $y = -4x - 1$ тўғри чизиққа параллель бўлади?
 A) -3 ва 2 B) -4 ва 3 C) -2 ва 1
 D) -5 ва 4
2014. 3.1-2 file-» 6 - 8 - - (56487)
 $y = 2x^3 + 3x^2 - 6x$ функциянинг графигига
 ўтказилган уринма x нинг қандай қийматларида $y = 30x + 1$ тўғри чизиққа параллель бўлади?
 A) -3 ва 2 B) 1 ва 3 C) -2 ва 1
 D) 2 ва -1
2015. 3.1-2 file-» 17 - 1 - - (56939)
 $y = x^2 - 2x - 2,75$ даги қандай нуқтада ўтказилган уринма $y = -4(x + 1)$ тўғри чизиққа параллель бўлади?
 A) $(-1; \frac{1}{4})$ B) $(-1; 4)$ C) $(1; \frac{1}{4})$
 D) $(1; 4)$
2016. 3.1-2 file-» 22 - 18 - - (57040)
 Агар $f(x) = 3x - 2e^{-x}$ бўлса, $f'(\ln 2)$ ни ҳисобланг.
 A) 1 B) 2 C) 5 D) 4
2017. 3.1-2 file-» 23 - 5 - - (57112)
 $f(x) = -\frac{1}{3}x^3 - \frac{1}{6}x + \frac{1}{3}$ функциянинг $[-1; 1]$
 кесмадаги энг катта ва энг кичик қийматлари йиғиндисини ҳисобланг.
 A) $-\frac{1}{3}$ B) 0 C) $\frac{1}{3}$ D) $\frac{2}{3}$
2018. 3.1-2 file-» 23 - 5 - - (57114)
 $f(x) = -\frac{\sqrt{3}}{2}x^2 + 1$ функциянинг графигига
 $x_0 = -\frac{1}{3}$ нуқтада ўтказилган уринманинг OX
 ўқи билан ташкил қилган бурчагини топинг.
 A) 30° B) 60° C) 120° D) 150°
2019. 3.1-2 file-» 23 - 6 - - (57170)
 $f(x) = \frac{\sqrt{3}}{3}x^3 - 1$ функциянинг графигига
 $x_0 = \frac{1}{\sqrt{3}}$ нуқтада ўтказилган уринманинг OX
 ўқи билан ташкил қилган бурчагини топинг.
 A) 60° B) 30° C) 45° D) 120°
2020. 3.1-2 file-» 17 - 2 - - 12 (64272)
 Қайси нуқтада $y = x^2 + 2x - 8$ функциянинг графигига ўтказилган уринма $y + 2x - 8 = 0$ тўғри чизиққа параллель бўлади?
 A) $(-2; 8)$ B) $(2; 8)$ C) $(-2; -8)$
 D) $(2; -8)$
2021. 3.1-2 file-» 23 - 15 - - 2 (64328)
 Абсциссаси $x_0 = 2\sqrt{3}$ бўлган нуқтадан
 $f(x) = \sqrt{3} \ln x$ функцияга ўтказилган уринма OY ўқи билан қандай бурчак ташкил этади?
 A) $\operatorname{arctg} \frac{1}{2}$ B) 60° C) 30° D) $\operatorname{arctg} 2$
2022. 3.1-2 file-» 23 - 15 - - 2 (64329)
 $y = 3x^4 - 4x^3 + 1$ функциянинг $[0; 2]$ кесмадаги энг кичик қийматини топинг.
 A) 0 B) -16 C) -1 D) 1
2023. 3.1-2 file-» 19 - 1 - - 3 (68369)
 $y = x^2 - 5$ эгри чизиққа ўтказилган уринма $y = 2x + 3$ тўғри чизиққа параллель. Уриниш нуқтасининг ординатасини топинг.
 A) 0 B) 2 C) 4 D) -4

2024. 3.1-2 file-» 2 - 2 - - 8 (69786)
 $y = 2\cos\frac{x}{3}$ функция графигининг $M(\frac{3\pi}{2}; 0)$ нуқтасига ўтказилган уринманинг тенгламасини ёзинг.
 A) $y = 2$ B) $y - 1 = 0$ C) $y = -\frac{2}{3}x + \pi$
 D) $y = x - \frac{3\pi}{2}$
2025. 3.1-2 file-» 22 - 19 - - 4 (69940)
 $f(x) = \sqrt{3} \cdot \sin x + \cos\frac{\pi}{3} - \frac{9x^2}{2\pi}$. $f'(\frac{\pi}{6}) = ?$
 A) $\sqrt{3}$ B) 0,5 C) $\frac{\sqrt{3}}{2}$ D) 0
2026. 3.1-2 file-» 19 - 2 - - 3 (87557)
 $y = \ln x$ функциянинг графигига абсциссаси $x_0 = 1$ бўлган нуқтада уринма ўтказилган. Уринманинг абсциссаси 14 га тенг нуқтаси ординатасини топинг.
 A) 12 B) 13 C) 14 D) 15
2027. 3.1-2 file-» 22 - 21 - - 4 (105950)
 Агар $f(x) = e^{1-2x} \cdot \cos(2x - 1)$ бўлса, $f'(\frac{1}{2})$ нинг қийматини топинг.
 A) $-2e$ B) 0 C) -2 D) $2e$
2028. 3.1-2 file-» 22 - 22 - - 11 (122806)
 Қайси тўғри чизиқ $y = 4 - x^2$ функция графигига $x_0 = -\frac{1}{2}$ нуқтада ўтказилган уринмага параллель бўлади?
 A) $y = 4 - 4x$ B) $y = 2x + 8$ C) $y = x + 8$
 D) $y = 4x + 8$
2029. 3.1-2 file-» 16 - 8 - - 3 (131415)
 $f(x) = 0,5x^2 - x - 1,5$ функция графигининг абсциссаси 2 га тенг бўлган нуқтасига ўтказилган уринманинг бурчак коэффициентини топинг.
 A) 1 B) 2 C) 3 D) 4
2030. 3.1-2 file-» 22 - 23 - - 6 (134317)
 $f(x) = -2x^3 + 18x^2 + 12$ функция ўсадиган кесманинг узунлигини аниқланг.
 A) 5 B) 4 C) 6 D) 4,5
2031. 3.1-2 file-» 22 - 15 - - (315370)
 $f(x) = -2\sin x - \frac{(\sqrt{\pi})^3}{\sqrt{x}} + \frac{\pi}{2}$.
 $f'(\pi)$ ni hisoblang.
 A) $\frac{\sqrt{\pi}}{2}$ B) $-1,5$ C) 0,5 D) 2,5

2032. 3.1-2 file-» 23 - 3 - - (315371)
 $f(x) = \frac{1}{3}x^3 - 5\ln x$ funksiyaning grafigiga $x_0 = 2$ nuqtada o'tkazilgan urinmaning burchak koeffitsiyentini toping.
 A) 3,5 B) 3 C) 2 D) 1,5
2033. 3.1-2 file-» 23 - 4 - - (315372)
 $y = \frac{1}{2}x^2 - \frac{3}{2}\ln x$ funksiyaning grafigiga $x_0 = 2$ nuqtada o'tkazilgan urinmaning burchak koeffitsiyentini toping.
 A) $-2,5$ B) 2 C) 1,5 D) 1,25
2034. 3.1-2 file-» 6 - 7 - - (315373)
 $y = \frac{1}{3}x^3 + \frac{1}{2}x^2 - 6x$ funksiyaning grafigiga o'tkazilgan urinma x ning qanday qiymatlarida $y = -4x - 1$ to'g'ri chiziqqa parallel bo'ladi?
 A) -3 va 2 B) -4 va 3 C) -2 va 1
 D) -5 va 4
2035. 3.1-2 file-» 6 - 8 - - (315374)
 $y = 2x^3 + 3x^2 - 6x$ funksiyaning grafigiga o'tkazilgan urinma x ning qanday qiymatlarida $y = 30x + 1$ to'g'ri chiziqqa parallel bo'ladi?
 A) -3 va 2 B) 1 va 3 C) -2 va 1
 D) 2 va -1
2036. 3.1-2 file-» 17 - 1 - - (315375)
 $y = x^2 - 2x - 2,75$ dagi qanday nuqtada o'tkazilgan urinma $y = -4(x + 1)$ to'g'ri chiziqqa parallel bo'ladi?
 A) $(-1; \frac{1}{4})$ B) $(-1; 4)$ C) $(1; \frac{1}{4})$
 D) $(1; 4)$
2037. 3.1-2 file-» 22 - 18 - - (315376)
 Агар $f(x) = 3x - 2e^{-x}$ bo'lsa, $f'(\ln 2)$ ni hisoblang.
 A) 1 B) 2 C) 5 D) 4
2038. 3.1-2 file-» 23 - 5 - - (315377)
 $f(x) = -\frac{1}{3}x^3 - \frac{1}{6}x + \frac{1}{3}$ funksiyaning $[-1; 1]$ kesmadagi eng katta va eng kichik qiymatlari yig'indisini hisoblang.
 A) $-\frac{1}{3}$ B) 0 C) $\frac{1}{3}$ D) $\frac{2}{3}$
2039. 3.1-2 file-» 23 - 5 - - (315378)
 $f(x) = -\frac{\sqrt{3}}{2}x^2 + 1$ funksiyaning grafigiga $x_0 = -\frac{1}{3}$ nuqtada o'tkazilgan urinmaning OX o'qi bilan tashkil qilgan burchagini toping.
 A) 30° B) 60° C) 120° D) 150°

2040. 3.1-2 file-» 23 - 6 - - (315379)
 $f(x) = \frac{\sqrt{3}}{3}x^3 - 1$ funksiyaning grafigiga $x_0 = \frac{1}{\sqrt{3}}$ nuqtada o'tkazilgan urinmaning OX o'qi bilan tashkil qilgan burchagini toping.
 A) 60° **B) 30°** C) 45° D) 120°
2041. 3.1-2 file-» 17 - 2 - - 12 (315380)
 Qaysi nuqtada $y = x^2 + 2x - 8$ funksiyaning grafigiga o'tkazilgan urinma $y + 2x - 8 = 0$ to'g'ri chiziqqa parallel bo'ladi?
 A) $(-2; 8)$ B) $(2; 8)$ **C) $(-2; -8)$**
 D) $(2; -8)$
2042. 3.1-2 file-» 23 - 15 - - 2 (315381)
 Absissasi $x_0 = 2\sqrt{3}$ bo'lgan nuqtadan $f(x) = \sqrt{3}\ln x$ funksiyaga o'tkazilgan urinma OY o'qi bilan qanday burchak tashkil etadi?
 A) $\arctg \frac{1}{2}$ B) 60° C) 30° **D) $\arctg 2$**
2043. 3.1-2 file-» 23 - 15 - - 2 (315382)
 $y = 3x^4 - 4x^3 + 1$ funksiyaning $[0; 2]$ kesmadagi eng kichik qiymatini toping.
A) 0 B) -16 C) -1 D) 1
2044. 3.1-2 file-» 19 - 1 - - 3 (315383)
 $y = x^2 - 5$ egri chiziqqa o'tkazilgan urinma $y = 2x + 3$ to'g'ri chiziqqa parallel. Urinish nuqtasining ordinatasini toping.
 A) 0 B) 2 C) 4 **D) -4**
2045. 3.1-2 file-» 2 - 2 - - 8 (315384)
 $y = 2\cos \frac{x}{3}$ funksiya grafigining $M(\frac{3\pi}{2}; 0)$ nuqtasiga o'tkazilgan urinmaning tenglamasini yozing.
 A) $y = 2$ B) $y - 1 = 0$ **C) $y = -\frac{2}{3}x + \pi$**
 D) $y = x - \frac{3\pi}{2}$
2046. 3.1-2 file-» 22 - 19 - - 4 (315385)
 $f(x) = \sqrt{3} \cdot \sin x + \cos \frac{\pi}{3} - \frac{9x^2}{2\pi}$. $f'(\frac{\pi}{6}) = ?$
 A) $\sqrt{3}$ B) 0,5 C) $\frac{\sqrt{3}}{2}$ **D) 0**
2047. 3.1-2 file-» 19 - 2 - - 3 (315386)
 $y = \ln x$ funksiyaning grafigiga absissasi $x_0 = 1$ bo'lgan nuqtada urinma o'tkazilgan. Urinmaning absissasi 14 ga teng nuqtasi ordinatasini toping.
 A) 12 **B) 13** C) 14 D) 15
2048. 3.1-2 file-» 22 - 21 - - 4 (315387)
 Agar $f(x) = e^{1-2x} \cdot \cos(2x - 1)$ bo'lsa, $f'(\frac{1}{2})$ ning qiymatini toping.
 A) $-2e$ B) 0 **C) -2** D) $2e$
2049. 3.1-2 file-» 22 - 22 - - 11 (315388)
 Qaysi to'g'ri chiziq $y = 4 - x^2$ funksiya grafigiga $x_0 = -\frac{1}{2}$ nuqtada o'tkazilgan urinmaga parallel bo'ladi?
 A) $y = 4 - 4x$ B) $y = 2x + 8$
C) $y = x + 8$ D) $y = 4x + 8$
2050. 3.1-2 file-» 16 - 8 - - 3 (315389)
 $f(x) = 0,5x^2 - x - 1,5$ funksiya grafigining absissasi 2 ga teng bo'lgan nuqtasiga o'tkazilgan urinmaning burchak koeffitsiyentini toping.
A) 1 B) 2 C) 3 D) 4
2051. 3.1-2 file-» 22 - 23 - - 6 (315390)
 $f(x) = -2x^3 + 18x^2 + 12$ funksiya o'sadigan kesmaning uzunligini aniqlang.
 A) 5 B) 4 **C) 6** D) 4,5
2052. 3.1-2 file-» 50 - 14 - - (401931)
 Hosilalar uchun formulalarning qaysilari to'g'ri?
 1) $(x^p)' = px^{p-1}$;
 2) $(a^x)' = a^x \ln a$;
 3) $(\sin x)' = -\cos x$;
 4) $(\tg x)' = \frac{1}{\cos^2 x}$;
 5) $(e^{kx+b})' = \frac{1}{k}e^{kx+b}$.
A) 1; 2; 4 B) 2; 3; 4 C) 1; 4; 5
 D) 2; 4; 5
2053. 3.1-2 file-» 50 - 14 - - (401932)
 Hosilalar uchun formulalarning qaysilari to'g'ri?
 1) $(x^p)' = px^{p-1}$;
 2) $(a^x)' = \frac{a^x}{\ln a}$;
 3) $(\sin x)' = \cos x$;
 4) $(\tg x)' = -\frac{1}{\cos^2 x}$;
 5) $(e^{kx+b})' = ke^{kx+b}$.
 A) 1; 3; 4 **B) 1; 3; 5** C) 2; 3; 5
 D) 1; 4; 5
2054. 3.1-2 file-» 50 - 14 - - (401933)
 Hosilalar uchun formulalarning qaysilari to'g'ri?
 1) $(\log_a x)' = \frac{x}{\ln a}$;
 2) $(\cos x)' = -\sin x$;
 3) $(\ctg x)' = \frac{1}{\sin^2 x}$;
 4) $(e^{kx+b})' = ke^{kx+b}$;
 5) $(\ln x)' = \frac{1}{x}$, $x > 0$.
 A) 1; 2; 4 B) 2; 3; 5 **C) 2; 4; 5**
 D) 1; 4; 5

2055. 3.1-2 file-» 50 - 14 - - (401934)

Hosilalar uchun formulalarning qaysilari to'g'ri?

- 1) $(\log_a x)' = \frac{1}{x \ln a}$;
- 2) $(\cos x)' = \sin x$;
- 3) $(\operatorname{ctg} x)' = -\frac{1}{\sin^2 x}$;
- 4) $(e^{kx+b})' = ke^{kx+b}$;
- 5) $(\ln x)' = \frac{1}{x^2}$, $x > 0$.

- A) 1; 3; 5 B) 2; 3; 5 C) 1; 2; 3
D) 1; 3; 4

2056. 3.1-2 file-» 50 - 14 - - (401935)

Hosilalar uchun formulalarning qaysilari to'g'ri?

- 1) $(x^p)' = \frac{x^{p+1}}{p+1}$;
- 2) $(a^x)' = a^x \ln a$;
- 3) $(\cos x)' = -\sin x$;
- 4) $(\operatorname{ctg} x)' = \frac{1}{\sin^2 x}$;
- 5) $(e^{kx+b})' = ke^{kx+b}$.

- A) 2; 3; 5 B) 3; 4; 5 C) 2; 3; 4
D) 1; 3; 5

2057. 3.1-2 file-» 50 - 14 - - (401936)

Hosilalar uchun formulalarning qaysilari to'g'ri?

- 1) $(x^p)' = \frac{x^{p+1}}{p+1}$;
- 2) $(\log_a x)' = \frac{1}{x \ln a}$;
- 3) $(\sin x)' = \cos x$;
- 4) $(\operatorname{ctg} x)' = -\frac{1}{\sin^2 x}$;
- 5) $(e^{kx+b})' = \frac{1}{k} e^{kx+b}$.

- A) 2; 3; 4 B) 2; 3; 5 C) 1; 3; 4
D) 1; 2; 3

2058. 3.1-2 file-» 50 - 14 - - (401937)

Hosilalar uchun formulalarning qaysilari to'g'ri?

- 1) $(a^x)' = a^x \ln a$;
- 2) $(\cos x)' = \sin x$;
- 3) $(\operatorname{ctg} x)' = -\frac{1}{\sin^2 x}$;
- 4) $(e^{kx+b})' = \frac{1}{k} e^{kx+b}$;
- 5) $(\ln(kx+b))' = \frac{k}{kx+b}$.

- A) 2; 3; 5 B) 1; 3; 5 C) 1; 4; 5
D) 1; 2; 3

2059. 3.1-2 file-» 50 - 14 - - (401938)

Hosilalar uchun formulalarning qaysilari to'g'ri?

- 1) $(\log_a x)' = \frac{1}{x \ln a}$;
- 2) $(\cos x)' = -\sin x$;
- 3) $(\operatorname{tg} x)' = -\frac{1}{\cos^2 x}$;
- 4) $(e^{kx+b})' = ke^{kx+b}$;
- 5) $(\ln(kx+b))' = \frac{1}{k} \cdot \frac{1}{kx+b}$.

- A) 1; 2; 5 B) 2; 4; 5 C) 1; 2; 4
D) 1; 3; 4

2060. 3.1-2 file-» 50 - 14 - - (401939)

Hosilalar uchun formulalarning qaysilari to'g'ri?

- 1) $(x^p)' = px^{p-1}$;
- 2) $(\log_a x)' = \frac{x}{\ln a}$;
- 3) $(\sin x)' = -\cos x$;
- 4) $(\operatorname{tg} x)' = \frac{1}{\cos^2 x}$;
- 5) $(e^{kx+b})' = ke^{kx+b}$.

- A) 1; 2; 4 B) 2; 4; 5 C) 1; 3; 5
D) 1; 4; 5

2061. 3.1-2 file-» 50 - 14 - - (401940)

Hosilalar uchun formulalarning qaysilari to'g'ri?

- 1) $(x^p)' = px^{p-1}$;
- 2) $(\log_a x)' = \frac{1}{x \ln a}$;
- 3) $(\cos x)' = \sin x$;
- 4) $(\operatorname{tg} x)' = -\frac{1}{\cos^2 x}$;
- 5) $(e^{kx+b})' = ke^{kx+b}$.

- A) 1; 2; 5 B) 2; 4; 5 C) 1; 3; 5
D) 2; 3; 5

2062. 3.1-2 file-» 50 - 14 - - (401941)

Hosilalar uchun formulalarning qaysilari to'g'ri?

- 1) $(a^x)' = a^x \ln a$;
- 2) $(\sin x)' = \cos x$;
- 3) $(\operatorname{ctg} x)' = \frac{1}{\sin^2 x}$;
- 4) $(e^{kx+b})' = \frac{1}{k} e^{kx+b}$;
- 5) $(\ln(kx+b))' = \frac{k}{kx+b}$.

- A) 1; 2; 5 B) 1; 2; 4 C) 2; 3; 5
D) 1; 3; 5

2063. 3.1-2 file-» 50 - 14 - - (401942)
 Hosilalar uchun formulalarning qaysilari to'g'ri?
 1) $(\log_a x)' = \frac{1}{x \ln a}$;
 2) $(\sin x)' = -\cos x$;
 3) $(\operatorname{tg} x)' = -\frac{1}{\cos^2 x}$;
 4) $(e^{kx+b})' = ke^{kx+b}$;
 5) $(\ln x)' = \frac{1}{x}$, $x > 0$.
 A) 1; 2; 4 **B) 1; 4; 5** C) 2; 4; 5
 D) 1; 3; 5
2064. 3.1-2 file-» 50 - 14 - - (401943)
 Hosilalar uchun formulalarning qaysilari to'g'ri?
 1) $(x^p)' = \frac{x^{p+1}}{p+1}$;
 2) $(a^x)' = a^x \ln a$;
 3) $(\cos x)' = \sin x$;
 4) $(\operatorname{tg} x)' = \frac{1}{\cos^2 x}$;
 5) $(e^{kx+b})' = ke^{kx+b}$.
 A) 1; 2; 4 B) 3; 4; 5 **C) 2; 4; 5**
 D) 1; 2; 5
2065. 3.1-2 file-» 50 - 14 - - (401944)
 Hosilalar uchun formulalarning qaysilari to'g'ri?
 1) $(x^p)' = \frac{x^{p+1}}{p+1}$;
 2) $(\log_a x)' = \frac{1}{x \ln a}$;
 3) $(\sin x)' = \cos x$;
 4) $(\operatorname{ctg} x)' = \frac{1}{\sin^2 x}$;
 5) $(e^{kx+b})' = ke^{kx+b}$.
 A) 2; 3; 4 B) 1; 3; 5 C) 3; 4; 5
D) 2; 3; 5
2066. 3.1-2 file-» 50 - 14 - - (401945)
 Hosilalar uchun formulalarning qaysilari to'g'ri?
 1) $(x^p)' = px^{p-1}$;
 2) $(\log_a x)' = \frac{1}{x \ln a}$;
 3) $(\cos x)' = \sin x$;
 4) $(\operatorname{ctg} x)' = -\frac{1}{\sin^2 x}$;
 5) $(e^{kx+b})' = \frac{1}{k} e^{kx+b}$.
A) 1; 2; 4 B) 2; 3; 4 C) 1; 3; 4
 D) 1; 2; 5
2067. 3.1-2 file-» 51 - 1 - - (719460)
 $y = x^4 - 8x^2 - 9$ ning $[-1; 1]$ kesmadagi eng
 kichik qiymatini toping.
 A) -9 B) 9 **C) -16** D) 16
2068. 3.1-2 file-» 51 - 1 - - (719461)
 $f(x) = \frac{2x^2}{e^x}$ funksiyaning o'sish oralig'ini toping.
A) $[0; 2]$ B) $(-\infty; 0]$ C) $[2; \infty)$
 D) $[0; 1]$
2069. 3.1-2 file-» 51 - 2 - - (719462)
 $y = \frac{1 + \cos x}{\cos x - 1}$, $y'(60^\circ) = ?$
A) $4\sqrt{3}$ B) $2\sqrt{3}$ C) $4 + 2\sqrt{3}$
 D) $4 - 2\sqrt{3}$
2070. 3.1-2 file-» 58 - 1 - - (719463)
 $y = x^3$ funksiyaning grafigiga x_1 nuqtada
 o'tkazilgan urinma, $y = 2\sqrt{x}$ funksiya grafigiga
 x_2 nuqtada o'tkazilgan urinmaga parallel. Agar
 $x_1 = 1$ bo'lsa, x_2 nimaga teng bo'ladi?
 A) 3 **B) $\frac{1}{9}$** C) $\frac{1}{8}$ D) $\frac{1}{7}$
2071. 3.1-2 file-» 23 - 2 - - 1 (719464)
 $y = \ln x + 5x^2$ funksiyaning grafigiga $x_0 = \frac{1}{4}$
 nuqtada o'tkazilgan urinmaning burchak
 koeffitsiyentini toping.
 A) 3 B) 6 C) 4 **D) 6,5**
2072. 3.1-2 file-» 23 - 3 - - 1 (719465)
 $f(x) = \frac{1}{3}x^3 - 5\ln x$ funksiyaning grafigiga $x_0 = 2$
 nuqtada o'tkazilgan urinmaning burchak
 koeffitsiyentini toping.
 A) 3,5 B) 3 C) 2 **D) 1,5**
2073. 3.1-2 file-» 23 - 4 - - 1 (719466)
 $y = \frac{1}{2}x^2 - \frac{3}{2}\ln x$ funksiyaning grafigiga $x_0 = 2$
 nuqtada o'tkazilgan urinmaning burchak
 koeffitsiyentini toping.
 A) -2,5 B) 2 C) 1,5 **D) 1,25**
2074. 3.1-2 file-» 6 - 7 - - 1 (719467)
 $y = \frac{1}{3}x^3 + \frac{1}{2}x^2 - 6x$ funksiyaning grafigiga
 o'tkazilgan urinma x ning qanday qiymatlarida
 $y = -4x - 1$ to'g'ri chiziqqa parallel bo'ladi?
 A) -3 va 2 B) -4 va 3 **C) -2 va 1**
 D) -5 va 4
2075. 3.1-2 file-» 6 - 8 - - 1 (719468)
 $y = 2x^3 + 3x^2 - 6x$ funksiyaning grafigiga
 o'tkazilgan urinma x ning qanday qiymatlarida
 $y = 30x + 1$ to'g'ri chiziqqa parallel bo'ladi?
A) -3 va 2 B) 1 va 3 C) -2 va 1
 D) 2 va -1

2076. 3.1-2 file-» 17 - 1 - - 1 (719469)
 $y = x^2 - 2x - 2,75$ dagi qanday nuqtada o'tkazilgan urinma $y = -4(x + 1)$ to'g'ri chiziqqa parallel bo'ladi?
 A) $(-1; \frac{1}{4})$ B) $(-1; 4)$ C) $(1; \frac{1}{4})$
D) $(1; 4)$
2077. 3.1-2 file-» 17 - 2 - - 1 (719470)
 Qaysi nuqtada $y = x^2 + 2x - 8$ funksiyaning grafigiga o'tkazilgan urinma $y + 2x - 8 = 0$ to'g'ri chiziqqa parallel bo'ladi?
 A) $(-2; 8)$ B) $(2; 8)$ C) $(-2; -8)$
 D) $(2; -8)$
2078. 3.1-2 file-» 19 - 1 - - 1 (719471)
 $y = x^2 - 5$ egri chiziqqa o'tkazilgan urinma $y = 2x + 3$ to'g'ri chiziqqa parallel. Urinish nuqtasining ordinasini toping.
 A) 0 B) 2 C) 4 D) -4
2079. 3.1-2 file-» 23 - 16 - - 1 (719472)
 $y = -\frac{1}{2}x^2 + 2x$ funksiya grafigining qaysi nuqtasiga o'tkazilgan urinma $y = -2x$ tenglama bilan berilgan to'g'ri chiziqqa parallel bo'ladi?
 A) $(-4; 0)$ B) $(0; 4)$ C) $(4; 0)$
 D) $(0; -4)$
2080. 3.1-2 file-» 17 - 3 - - 1 (719473)
 $y = x^2 + \ln(x - 1)$ funksiyaning grafigiga $x = 2$ nuqtada o'tkazilgan urinmaning burchak koeffitsiyentini toping.
 A) 12 B) 5 C) 3 D) 1
2081. 3.1-2 file-» 22 - 22 - - 1 (719474)
 Qaysi to'g'ri chiziq $y = 4 - x^2$ funksiya grafigiga $x_0 = -\frac{1}{2}$ nuqtada o'tkazilgan urinmaga parallel bo'ladi?
 A) $y = 4 - 4x$ B) $y = 2x + 8$
C) $y = x + 8$ D) $y = 4x + 8$
2082. 3.1-3 file-» 50 - 158 - - (704449)
 $y = \frac{2x}{4x - 2}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) 3 B) 2 C) 4 D) $\frac{4}{3}$
2083. 3.1-3 file-» 50 - 158 - - (704450)
 $y = \frac{4x}{5x - 3}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) $\frac{25}{9}$ B) $\frac{25}{4}$ C) $\frac{25}{6}$ D) $\frac{25}{3}$
2084. 3.1-3 file-» 50 - 158 - - (704451)
 $y = \frac{6x}{6x - 4}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) $\frac{27}{2}$ B) $\frac{9}{2}$ C) $\frac{81}{8}$ D) $\frac{27}{4}$
2085. 3.1-3 file-» 50 - 158 - - (704452)
 $y = \frac{8x}{4x - 2}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
A) 8 B) 16 C) $\frac{16}{3}$ D) 12
2086. 3.1-3 file-» 50 - 158 - - (704453)
 $y = \frac{10x}{5x - 3}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) $\frac{125}{8}$ B) $\frac{125}{12}$ C) $\frac{125}{6}$ D) $\frac{125}{18}$
2087. 3.1-3 file-» 50 - 158 - - (704454)
 $y = \frac{12x}{6x - 4}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) 9 B) $\frac{81}{4}$ C) $\frac{27}{2}$ D) 27
2088. 3.1-3 file-» 50 - 158 - - (704455)
 $y = \frac{14x}{4x - 2}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) 28 B) $\frac{28}{3}$ C) 21 D) 14
2089. 3.1-3 file-» 50 - 158 - - (704456)
 $y = \frac{16x}{5x - 3}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
A) $\frac{50}{3}$ B) $\frac{100}{3}$ C) $\frac{100}{9}$ D) 25

2090. 3.1-3 file-» 50 - 158 - - (704457)

$y = \frac{2x}{6x-4}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

- A) $\frac{27}{8}$ B) $\frac{9}{4}$ C) $\frac{9}{2}$ D) $\frac{3}{2}$

2091. 3.1-3 file-» 50 - 158 - - (704458)

$y = \frac{4x}{4x-2}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

- A) $\frac{8}{3}$ B) 6 C) 4 D) 8

2092. 3.1-3 file-» 50 - 158 - - (704459)

$y = \frac{6x}{5x-3}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

- A) $\frac{25}{2}$ B) $\frac{25}{6}$ C) $\frac{75}{8}$ D) $\frac{25}{4}$

2093. 3.1-3 file-» 50 - 158 - - (704460)

$y = \frac{8x}{6x-4}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

- A) 9 B) 18 C) 6 D) $\frac{27}{2}$

2094. 3.1-3 file-» 50 - 158 - - (704461)

$y = \frac{10x}{4x-2}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

- A) 15 B) 10 C) 20 D) $\frac{20}{3}$

2095. 3.1-3 file-» 50 - 158 - - (704462)

$y = \frac{12x}{5x-3}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

- A) $\frac{25}{3}$ B) $\frac{75}{4}$ C) $\frac{25}{2}$ D) 25

2096. 3.1-3 file-» 50 - 158 - - (704463)

$y = \frac{14x}{6x-4}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

- A) $\frac{63}{2}$ B) $\frac{21}{2}$ C) $\frac{189}{8}$ D) $\frac{63}{4}$

2097. 3.1-3 file-» 50 - 158 - - (704464)

$y = 5 - \sqrt{2x+3}$ funksiyaning grafigiga $x_0 = 3$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

- A) $\frac{27}{2}$ B) 27 C) $\frac{81}{8}$ D) $\frac{81}{4}$

2098. 3.1-3 file-» 50 - 158 - - (704465)

$y = 3 - \sqrt{3x+1}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

- A) $\frac{49}{24}$ B) $\frac{49}{12}$ C) $\frac{49}{32}$ D) $\frac{49}{16}$

2099. 3.1-3 file-» 50 - 158 - - (704466)

$y = 4 - \sqrt{4x+1}$ funksiyaning grafigiga $x_0 = 2$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

- A) $\frac{49}{12}$ B) $\frac{49}{6}$ C) $\frac{49}{16}$ D) $\frac{49}{8}$

2100. 3.1-3 file-» 50 - 158 - - (704467)

$y = 4 - \sqrt{3x+3}$ funksiyaning grafigiga $x_0 = 2$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

- A) 4 B) 8 C) 3 D) 6

2101. 3.1-3 file-» 50 - 158 - - (704468)

$y = 4 - \sqrt{4x+5}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

- A) $\frac{25}{12}$ B) $\frac{25}{6}$ C) $\frac{25}{16}$ D) $\frac{25}{8}$

2102. 3.1-3 file-» 50 - 158 - - (704469)

$y = 4 - \sqrt{6x+3}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.

- A) 2 B) 4 C) $\frac{3}{2}$ D) 3

2103. 3.1-3 file-» 50 - 158 - - (704470)
 $y = 4 - \sqrt{2x + 5}$ funksiyaning grafigiga $x_0 = 2$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) $\frac{25}{6}$ B) $\frac{25}{3}$ C) $\frac{25}{8}$ D) $\frac{25}{4}$
2104. 3.1-3 file-» 50 - 158 - - (704471)
 $y = 5 - \sqrt{8x + 1}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) $\frac{25}{6}$ B) $\frac{25}{3}$ C) $\frac{25}{8}$ D) $\frac{25}{4}$
2105. 3.1-3 file-» 50 - 158 - - (704472)
 $y = 4 - \sqrt{10x - 1}$ funksiyaning grafigiga $x_0 = 1$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) $\frac{32}{15}$ B) $\frac{64}{15}$ C) $\frac{8}{5}$ D) $\frac{16}{5}$
2106. 3.1-3 file-» 50 - 158 - - (704473)
 $y = 6 - \sqrt{10x + 5}$ funksiyaning grafigiga $x_0 = 2$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) $\frac{9}{2}$ B) 9 C) $\frac{27}{8}$ D) $\frac{27}{4}$
2107. 3.1-3 file-» 51 - 1 - - (719475)
 Uchlari $y = \frac{x^4}{4} - 2x^2$ funksiyaning ekstremum nuqtalarida yotuvchi uchburchakning yuzini toping.
 A) 8 B) 16 C) 4 D) 12
2108. 3.1-3 file-» 50 - 162 - - (719476)
 $y = 4x - x^2$ funksiyaning grafigiga $x_0 = 3$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) $\frac{243}{8}$ B) $\frac{81}{4}$ C) $\frac{81}{2}$ D) $\frac{27}{2}$
2109. 3.1-3 file-» 50 - 162 - - (719477)
 $y = 3x - x^2$ funksiyaning grafigiga $x_0 = 2$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) $\frac{16}{3}$ B) 12 C) 8 D) 16

2110. 3.1-3 file-» 50 - 162 - - (719478)
 $y = 6x - x^2$ funksiyaning grafigiga $x_0 = 4$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) 128 B) $\frac{128}{3}$ C) 96 D) 64
2111. 3.1-3 file-» 50 - 162 - - (719479)
 $y = 5x - x^2$ funksiyaning grafigiga $x_0 = 3$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) $\frac{81}{2}$ B) 81 C) 27 D) $\frac{243}{4}$
2112. 3.1-3 file-» 50 - 162 - - (719480)
 $y = 6x - x^2$ funksiyaning grafigiga $x_0 = 5$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) $\frac{1875}{16}$ B) $\frac{625}{8}$ C) $\frac{625}{4}$ D) $\frac{625}{12}$
2113. 3.1-3 file-» 50 - 162 - - (719481)
 $y = 5x - x^2$ funksiyaning grafigiga $x_0 = 4$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) $\frac{256}{9}$ B) 64 C) $\frac{128}{3}$ D) $\frac{256}{3}$
2114. 3.1-3 file-» 50 - 162 - - (719482)
 $y = 8x - x^2$ funksiyaning grafigiga $x_0 = 5$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) $\frac{625}{2}$ B) $\frac{625}{6}$ C) $\frac{1875}{8}$ D) $\frac{625}{4}$
2115. 3.1-3 file-» 50 - 162 - - (719483)
 $y = 7x - x^2$ funksiyaning grafigiga $x_0 = 4$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) 128 B) 256 C) $\frac{256}{3}$ D) 192
2116. 3.1-3 file-» 50 - 162 - - (719484)
 $y = 8x - x^2$ funksiyaning grafigiga $x_0 = 6$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) 243 B) 162 C) 324 D) 108

2117. 3.1-3 file-» 50 - 162 - - (719485)
 $y = 9x - x^2$ funksiyaning grafigiga $x_0 = 5$ nuqtada o'tkazilgan urinma va koordinat o'qlari bilan chegaralangan uchburchakning yuzini toping.
 A) $\frac{625}{3}$ B) $\frac{1875}{4}$ C) $\frac{625}{2}$ D) 625
2118. 3.2-1 file-» 6 - 3 - - (14026)
 $f(x) = x^3$ funktsiyaning (2; 3) nuqtadan y'tuvchi boshlang'ich funktsiyasini toping.
 A) $\frac{x^4}{4} - 1$ B) $\frac{x^2}{2} + 1$ C) $\frac{x^4}{4} - 3$
 D) $\frac{x^4}{2} + 3$
2119. 3.2-1 file-» 6 - 4 - - (14078)
 $f(x) = x^2$ funktsiyaning (3; 5) nuqtadan y'tuvchi boshlang'ich funktsiyasini toping.
 A) $\frac{x^3}{3} + 7$ B) $\frac{x^3}{3} - 7$ C) $\frac{x^3}{3} - 4$
 D) $2x + 4$
2120. 3.2-1 file-» 6 - 5 - - (14130)
 $f(x) = x - \frac{x^2}{2}$ funktsiyaning (6; 2) nuqtadan y'tuvchi boshlang'ich funktsiyasini toping.
 A) $\frac{x^2}{2} + \frac{x^3}{6} - 56$ B) $\frac{x^2}{2} - \frac{x^3}{6} + 20$
 C) $\frac{x^2}{2} - \frac{x^3}{6} - 18$ D) $\frac{x^2}{2} - \frac{x^3}{6} + 18$
2121. 3.2-1 file-» 6 - 6 - - (14182)
 $f(x) = -x + \frac{x^2}{2}$ funktsiyaning (6; 2) nuqtadan y'tuvchi boshlang'ich funktsiyasini toping.
 A) $-\frac{x^2}{2} + \frac{x^3}{6} - 16$ B) $-\frac{x^2}{2} + \frac{x^3}{6} - 18$
 C) $-\frac{x^2}{2} + \frac{x^3}{6} + 16$ D) $-\frac{x^2}{2} + \frac{x^3}{6} + 18$
2122. 3.2-1 file-» 23 - 2 - - (36482)
 $F(x) = 5tgx + 3x + C$ quyidaagi funktsiyalardan qaysi birining boshlang'ich funktsiyasi?
 A) $y = -\frac{5}{\sin^2 x} + 3$ B) $y = \frac{5}{\sin^2 x} + 3$
 C) $y = \frac{5}{\cos^2 x} + 3$ D) $y = -\frac{5}{\cos^2 x} + 3$
2123. 3.2-1 file-» 23 - 3 - - (36541)
 $F(x) = 2ctgx - x + C$ quyidaagi funktsiyalardan qaysi birining boshlang'ich funktsiyasi?
 A) $f(x) = -\frac{2}{\sin^2 x} - 1$ B) $f(x) = \frac{2}{\cos^2 x} - 1$
 C) $f(x) = -\frac{2}{\cos^2 x} - 1$ D) $f(x) = \frac{2}{\sin^2 x} + 1$
2124. 3.2-1 file-» 23 - 4 - - (36600)
 $F(x) = -3ctgx - 2x + C$ funktsiya quyidaagi funktsiyalardan qaysi birining boshlang'ich funktsiyasi b'uladi?
 A) $f(x) = -\frac{3}{\sin^2 x} + 2$ B) $f(x) = \frac{3}{\cos^2 x} - 2$
 C) $f(x) = \frac{3}{\sin^2 x} - 2$ D) $f(x) = -\frac{3}{\cos^2 x} + 2$
2125. 3.2-1 file-» 22 - 17 - - (56983)
 $y = e^{2-3x}$ funktsiyaning boshlang'ich funktsiyasini k'yrating.
 A) $\frac{1}{3}e^{2-3x} + C$ B) $e^{2-3x} + C$
 C) $-3e^{2-3x} + C$ D) $-\frac{1}{3}e^{2-3x} + C$
2126. 3.2-1 file-» 22 - 18 - - (57043)
 $y = \frac{-3}{e^x}$ funktsiyaning boshlang'ich funktsiyasini toping.
 A) $\frac{3}{e^x} + C$ B) $3lnx + C$ C) $\frac{1}{3}e^{-x} + C$
 D) $\frac{1}{3e^x} + C$
2127. 3.2-1 file-» 23 - 6 - - (57169)
 $f(x) = x^3 + 3x - 5$ funktsiyaning $[-1; 1]$ kesmadaagi eng katta va eng kichik qiymatlari orasidaagi ayirmani toping.
 A) -6 B) 6 C) -5 D) 8
2128. 3.2-1 file-» 6 - 3 - - (315391)
 $f(x) = x^3$ funksiyaning (2; 3) nuqtadan o'tuvchi boshlang'ich funktsiyasini toping.
 A) $\frac{x^4}{4} - 1$ B) $\frac{x^2}{2} + 1$ C) $\frac{x^4}{4} - 3$
 D) $\frac{x^4}{2} + 3$
2129. 3.2-1 file-» 6 - 4 - - (315392)
 $f(x) = x^2$ funksiyaning (3; 5) nuqtadan o'tuvchi boshlang'ich funktsiyasini toping.
 A) $\frac{x^3}{3} + 7$ B) $\frac{x^3}{3} - 7$ C) $\frac{x^3}{3} - 4$
 D) $2x + 4$
2130. 3.2-1 file-» 6 - 5 - - (315393)
 $f(x) = x - \frac{x^2}{2}$ funksiyaning (6; 2) nuqtadan o'tuvchi boshlang'ich funktsiyasini toping.
 A) $\frac{x^2}{2} + \frac{x^3}{6} - 56$ B) $\frac{x^2}{2} - \frac{x^3}{6} + 20$
 C) $\frac{x^2}{2} - \frac{x^3}{6} - 18$ D) $\frac{x^2}{2} - \frac{x^3}{6} + 18$

2131. 3.2-1 file-» 6 - 6 - - (315394)

$f(x) = -x + \frac{x^2}{2}$ funksiyaning (6; 2) nuqtadan o'tuvchi boshlang'ich funksiyasini toping.

- A) $-\frac{x^2}{2} + \frac{x^3}{6} - 16$ B) $-\frac{x^2}{2} + \frac{x^3}{6} - 18$
 C) $-\frac{x^2}{2} + \frac{x^3}{6} + 16$ D) $-\frac{x^2}{2} + \frac{x^3}{6} + 18$

2132. 3.2-1 file-» 23 - 2 - - (315395)

$F(x) = 5tgx + 3x + C$ quyidagi funksiyalardan qaysi birining boshlang'ich funksiyasi?

- A) $y = -\frac{5}{\sin^2 x} + 3$ B) $y = \frac{5}{\sin^2 x} + 3$
 C) $y = \frac{5}{\cos^2 x} + 3$ D) $y = -\frac{5}{\cos^2 x} + 3$

2133. 3.2-1 file-» 23 - 3 - - (315396)

$F(x) = 2ctgx - x + C$ quyidagi funksiyalardan qaysi birining boshlang'ich funksiyasi?

- A) $f(x) = -\frac{2}{\sin^2 x} - 1$ B) $f(x) = \frac{2}{\cos^2 x} - 1$
 C) $f(x) = -\frac{2}{\cos^2 x} - 1$ D) $f(x) = \frac{2}{\sin^2 x} + 1$

2134. 3.2-1 file-» 23 - 4 - - (315397)

$F(x) = -3ctgx - 2x + C$ funksiya quyidagi funksiyalardan qaysi birining boshlang'ich funksiyasi bo'ladi?

- A) $f(x) = -\frac{3}{\sin^2 x} + 2$ B) $f(x) = \frac{3}{\cos^2 x} - 2$
 C) $f(x) = \frac{3}{\sin^2 x} - 2$ D) $f(x) = -\frac{3}{\cos^2 x} + 2$

2135. 3.2-1 file-» 22 - 17 - - (315398)

$y = e^{2-3x}$ funksiyaning boshlang'ich funksiyasini ko'rsating.

- A) $\frac{1}{3}e^{2-3x} + C$ B) $e^{2-3x} + C$
 C) $-3e^{2-3x} + C$ D) $-\frac{1}{3}e^{2-3x} + C$

2136. 3.2-1 file-» 22 - 18 - - (315399)

$y = \frac{-3}{e^x}$ funksiyaning boshlang'ich funksiyasini toping.

- A) $\frac{3}{e^x} + C$ B) $3\ln x + C$ C) $\frac{1}{3}e^{-x} + C$
 D) $\frac{1}{3e^x} + C$

2137. 3.2-1 file-» 23 - 6 - - (315400)

$f(x) = x^3 + 3x - 5$ funksiyaning $[-1; 1]$ kesmadagi eng katta va eng kichik qiymatlari orasidagi ayirmani toping.

- A) -6 B) 6 C) -5 D) 8

2138. 3.2-1 file-» 50 - 15 - - (401946)

Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?

- 1) $f(x) = x^p, p \neq -1$ $F(x) = \frac{x^{p+1}}{p+1} + C$
 2) $f(x) = \frac{1}{x}, x > 0$ $F(x) = -\frac{1}{x^2} + C$
 3) $f(x) = e^{kx+b}, k \neq 0$ $F(x) = \frac{1}{k}e^{kx+b} + C$
 4) $f(x) = \sin(kx + b), k \neq 0$ $F(x) = -k\cos(kx + b) + C$
 5) $f(x) = e^{2x} - \cos \frac{x}{3}$ $F(x) = \frac{1}{2}e^{2x} - 3\sin \frac{x}{3} + C$

- A) 1; 3; 5 B) 1; 2; 3 C) 3; 4; 5
 D) 1; 2; 5

2139. 3.2-1 file-» 50 - 15 - - (401947)

Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?

- 1) $f(x) = x^p, p \neq -1$ $F(x) = px^{p+1} + C$
 2) $f(x) = \frac{1}{x}, x > 0$ $F(x) = \ln x + C$
 3) $f(x) = e^{kx+b}, k \neq 0$ $F(x) = ke^{kx+b} + C$
 4) $f(x) = \sin(kx + b), k \neq 0$ $F(x) = -\frac{1}{k}\cos(kx + b) + C$
 5) $f(x) = e^{\frac{x}{2}} + \sin 3x$ $F(x) = 2e^{\frac{x}{2}} - \frac{1}{3}\cos 3x + C$

- A) 1; 2; 4 B) 2; 4; 5 C) 3; 4; 5
 D) 1; 2; 5

2140. 3.2-1 file-» 50 - 15 - - (401948)

Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?

- 1) $f(x) = (kx + b)^p, p \neq -1, k \neq 0$ $F(x) = \frac{(kx + b)^{p+1}}{k(p+1)} + C$
 2) $f(x) = \frac{1}{kx + b}, k \neq 0, kx + b > 0$ $F(x) = \frac{1}{k}\ln(kx + b) + C$
 3) $f(x) = e^{kx+b}, k \neq 0$ $F(x) = ke^{kx+b} + C$
 4) $f(x) = \cos(kx + b), k \neq 0$ $F(x) = \frac{1}{k}\sin(kx + b) + C$
 5) $f(x) = e^{2x} - \cos \frac{x}{3}$ $F(x) = 2e^{2x} - \frac{1}{3}\sin \frac{x}{3} + C$

- A) 1; 2; 5 B) 2; 4; 5 C) 1; 2; 4
 D) 1; 3; 4

2141. 3.2-1 file-» 50 - 15 - - (401949)

Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?

- 1) $f(x) = x^p, p \neq -1$ $F(x) = \frac{x^{p+1}}{p+1} + C$
 2) $f(x) = \frac{1}{kx + b}, k \neq 0, kx + b > 0$ $F(x) = k\ln(kx + b) + C$
 3) $f(x) = e^{kx+b}, k \neq 0$ $F(x) = \frac{1}{k}e^{kx+b} + C$
 4) $f(x) = \sin(kx + b), k \neq 0$ $F(x) = -\frac{1}{k}\cos(kx + b) + C$
 5) $f(x) = e^{\frac{x}{2}} + \sin 3x$ $F(x) = \frac{1}{2}e^{\frac{x}{2}} + 3\cos 3x + C$

- A) 1; 3; 5 B) 2; 3; 4 C) 1; 4; 5
 D) 1; 3; 4

2142. 3.2-1 file-» 50 - 15 - - (401950)
 Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?
 1) $f(x)=(kx+b)^p, p \neq -1, k \neq 0$ $F(x)=kp(kx+b)^{p-1} + C$
 2) $f(x) = \frac{1}{x}, x > 0$ $F(x) = \ln x + C$
 3) $f(x)=e^{kx+b}, k \neq 0$ $F(x)=\frac{1}{k}e^{kx+b} + C$
 4) $f(x)=\cos(kx+b), k \neq 0$ $F(x)=k\sin(kx+b) + C$
 5) $f(x) = e^{2x} - \cos \frac{x}{3}$ $F(x) = \frac{1}{2}e^{2x} - 3\sin \frac{x}{3} + C$
A) 2; 3; 5 B) 1; 3; 5 C) 2; 4; 5
D) 2; 3; 4

2143. 3.2-1 file-» 50 - 15 - - (401951)
 Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?
 1) $f(x)=x^p, p \neq -1$ $F(x) = px^{p+1} + C$
 2) $f(x) = \frac{1}{kx+b}, k \neq 0, kx+b > 0$ $F(x) = \frac{1}{k} \ln(kx+b) + C$
 3) $f(x)=e^{kx+b}, k \neq 0$ $F(x) = \frac{1}{k} e^{kx+b} + C$
 4) $f(x)=\sin(kx+b), k \neq 0$ $F(x) = -\frac{1}{k} \cos(kx+b) + C$
 5) $f(x) = e^{\frac{x}{2}} + \sin 3x$ $F(x) = \frac{1}{2} e^{\frac{x}{2}} + 3\cos 3x + C$
A) 2; 3; 4 B) 1; 2; 3 C) 3; 4; 5
D) 1; 2; 4

2144. 3.2-1 file-» 50 - 15 - - (401952)
 Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?
 1) $f(x)=(kx+b)^p, p \neq -1, k \neq 0$ $F(x) = \frac{(kx+b)^{p+1}}{k(p+1)} + C$
 2) $f(x) = \frac{1}{x}, x > 0$ $F(x) = \ln x + C$
 3) $f(x)=e^{kx+b}, k \neq 0$ $F(x) = \frac{1}{k} e^{kx+b} + C$
 4) $f(x)=\sin(kx+b), k \neq 0$ $F(x) = -k\cos(kx+b) + C$
 5) $f(x) = e^{2x} - \cos \frac{x}{3}$ $F(x) = 2e^{2x} - \frac{1}{3} \sin \frac{x}{3} + C$
A) 1; 2; 4 **B) 1; 2; 3** C) 2; 3; 5
D) 1; 3; 4

2145. 3.2-1 file-» 50 - 15 - - (401953)
 Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?
 1) $f(x)=x^p, p \neq -1$ $F(x) = \frac{x^{p+1}}{p+1} + C$
 2) $f(x) = \frac{1}{x}, x > 0$ $F(x) = -\frac{1}{x^2} + C$
 3) $f(x)=e^{kx+b}, k \neq 0$ $F(x) = ke^{kx+b} + C$
 4) $f(x)=\cos(kx+b), k \neq 0$ $F(x) = \frac{1}{k} \sin(kx+b) + C$
 5) $f(x) = e^{\frac{x}{2}} + \sin 3x$ $F(x) = 2e^{\frac{x}{2}} - \frac{1}{3} \cos 3x + C$
A) 1; 3; 4 B) 2; 4; 5 **C) 1; 4; 5**
 D) 1; 2; 4

2146. 3.2-1 file-» 50 - 15 - - (401954)
 Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?
 1) $f(x)=(kx+b)^p, p \neq -1, k \neq 0$ $F(x)=kp(kx+b)^{p-1} + C$
 2) $f(x) = \frac{1}{kx+b}, k \neq 0, kx+b > 0$ $F(x) = \frac{1}{k} \ln(kx+b) + C$
 3) $f(x)=e^{kx+b}, k \neq 0$ $F(x) = \frac{1}{k} e^{kx+b} + C$
 4) $f(x)=\cos(kx+b), k \neq 0$ $F(x) = \frac{1}{k} \sin(kx+b) + C$
 5) $f(x) = e^{\frac{x}{2}} + \sin 3x$ $F(x) = \frac{1}{2} e^{\frac{x}{2}} + 3\cos 3x + C$
A) 1; 2; 3 B) 3; 4; 5 C) 1; 2; 4
D) 2; 3; 4

2147. 3.2-1 file-» 50 - 15 - - (401955)
 Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?
 1) $f(x)=x^p, p \neq -1$ $F(x) = px^{p+1} + C$
 2) $f(x) = \frac{1}{kx+b}, k \neq 0, kx+b > 0$ $F(x) = k \ln(kx+b) + C$
 3) $f(x)=e^{kx+b}, k \neq 0$ $F(x) = \frac{1}{k} e^{kx+b} + C$
 4) $f(x)=\sin(kx+b), k \neq 0$ $F(x) = -\frac{1}{k} \cos(kx+b) + C$
 5) $f(x) = e^{2x} - \cos \frac{x}{3}$ $F(x) = \frac{1}{2} e^{2x} - 3\sin \frac{x}{3} + C$
A) 3; 4; 5 B) 2; 4; 5 C) 1; 3; 5
D) 2; 3; 4

2148. 3.2-1 file-» 50 - 15 - - (401956)
 Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?
 1) $f(x)=x^p, p \neq -1$ $F(x) = \frac{x^{p+1}}{p+1} + C$
 2) $f(x) = \frac{1}{x}, x > 0$ $F(x) = \ln x + C$
 3) $f(x)=e^{kx+b}, k \neq 0$ $F(x) = ke^{kx+b} + C$
 4) $f(x)=\cos(kx+b), k \neq 0$ $F(x) = k\sin(kx+b) + C$
 5) $f(x) = e^{\frac{x}{2}} + \sin 3x$ $F(x) = 2e^{\frac{x}{2}} - \frac{1}{3} \cos 3x + C$
A) 1; 2; 5 B) 1; 2; 3 C) 2; 3; 5
D) 1; 3; 5

2149. 3.2-1 file-» 50 - 15 - - (401957)
 Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?
 1) $f(x)=(kx+b)^p, p \neq -1, k \neq 0$ $F(x) = \frac{(kx+b)^{p+1}}{k(p+1)} + C$
 2) $f(x) = \frac{1}{x}, x > 0$ $F(x) = -\frac{1}{x^2} + C$
 3) $f(x)=e^{kx+b}, k \neq 0$ $F(x) = ke^{kx+b} + C$
 4) $f(x)=\cos(kx+b), k \neq 0$ $F(x) = \frac{1}{k} \sin(kx+b) + C$
 5) $f(x) = e^{2x} - \cos \frac{x}{3}$ $F(x) = \frac{1}{2} e^{2x} - 3\sin \frac{x}{3} + C$
A) 1; 2; 4 **B) 1; 4; 5** C) 3; 4; 5
D) 1; 3; 5

2150. 3.2-1 file-» 50 - 15 - - (401958)
 Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?
 1) $f(x)=(kx+b)^p, p \neq -1, k \neq 0$ $F(x)=kp(kx+b)^{p-1}+C$
 2) $f(x)=\frac{1}{x}, x > 0$ $F(x)=\ln x + C$
 3) $f(x)=e^{kx+b}, k \neq 0$ $F(x)=ke^{kx+b}+C$
 4) $f(x)=\sin(kx+b), k \neq 0$ $F(x)=-\frac{1}{k}\cos(kx+b)+C$
 5) $f(x)=e^{\frac{x}{2}}+\sin 3x$ $F(x)=2e^{\frac{x}{2}}-\frac{1}{3}\cos 3x+C$
 A) 1; 2; 4 B) 3; 4; 5 C) 2; 4; 5
 D) 1; 2; 5

2151. 3.2-1 file-» 50 - 15 - - (401959)
 Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?
 1) $f(x)=x^p, p \neq -1$ $F(x)=px^{p+1}+C$
 2) $f(x)=\frac{1}{kx+b}, k \neq 0, kx+b > 0$ $F(x)=\frac{1}{k}\ln(kx+b)+C$
 3) $f(x)=e^{kx+b}, k \neq 0$ $F(x)=\frac{1}{k}e^{kx+b}+C$
 4) $f(x)=\cos(kx+b), k \neq 0$ $F(x)=k\sin(kx+b)+C$
 5) $f(x)=e^{2x}-\cos\frac{x}{3}$ $F(x)=\frac{1}{2}e^{2x}-3\sin\frac{x}{3}+C$
 A) 2; 3; 4 B) 1; 3; 5 C) 2; 4; 5
D) 2; 3; 5

2152. 3.2-1 file-» 50 - 15 - - (401960)
 Boshlang'ich funksiyani topish uchun quyida keltirilgan formulalardan qaysilari to'g'ri?
 1) $f(x)=x^p, p \neq -1$ $F(x)=\frac{x^{p+1}}{p+1}+C$
 2) $f(x)=\frac{1}{kx+b}, k \neq 0, kx+b > 0$ $F(x)=k\ln(kx+b)+C$
 3) $f(x)=e^{kx+b}, k \neq 0$ $F(x)=ke^{kx+b}+C$
 4) $f(x)=\sin(kx+b), k \neq 0$ $F(x)=-\frac{1}{k}\cos(kx+b)+C$
 5) $f(x)=e^{2x}-\cos\frac{x}{3}$ $F(x)=\frac{1}{2}e^{2x}-3\sin\frac{x}{3}+C$
A) 1; 4; 5 B) 2; 4; 5 C) 1; 2; 4
 D) 1; 2; 5

2153. 3.2-1 file-» 50 - 150 - - (704474)
 $y = e^{8x} + \cos 3x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
 A) $\frac{1}{8}e^{8x} - \frac{1}{3}\sin 3x$ B) $8e^{8x} + 3\sin 3x$
C) $\frac{1}{8}e^{8x} + \frac{1}{3}\sin 3x$ D) $8e^{8x} - 3\sin 3x$

2154. 3.2-1 file-» 50 - 150 - - (704475)
 $y = e^{7x} + \cos 4x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
 A) $7e^{7x} - 4\sin 4x$ B) $\frac{1}{7}e^{7x} - \frac{1}{4}\sin 4x$
 C) $7e^{7x} + 4\sin 4x$ D) $\frac{1}{7}e^{7x} + \frac{1}{4}\sin 4x$

2155. 3.2-1 file-» 50 - 150 - - (704476)
 $y = e^{6x} + \cos 5x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

- A) $\frac{1}{6}e^{6x} + \frac{1}{5}\sin 5x$ B) $6e^{6x} - 5\sin 5x$
C) $\frac{1}{6}e^{6x} - \frac{1}{5}\sin 5x$ D) $6e^{6x} + 5\sin 5x$

2156. 3.2-1 file-» 50 - 150 - - (704477)
 $y = e^{5x} + \cos 6x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

- A) $5e^{5x} + 6\sin 6x$ B) $\frac{1}{5}e^{5x} + \frac{1}{6}\sin 6x$
 C) $5e^{5x} - 6\sin 6x$ D) $\frac{1}{5}e^{5x} - \frac{1}{6}\sin 6x$

2157. 3.2-1 file-» 50 - 150 - - (704478)
 $y = e^{4x} + \cos 7x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

- A) $\frac{1}{4}e^{4x} - \frac{1}{7}\sin 7x$ B) $4e^{4x} + 7\sin 7x$
C) $\frac{1}{4}e^{4x} + \frac{1}{7}\sin 7x$ D) $4e^{4x} - 7\sin 7x$

2158. 3.2-1 file-» 50 - 150 - - (704479)
 $y = e^{9x} - \cos 4x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

- A) $\frac{1}{9}e^{9x} - \frac{1}{4}\sin 4x$ B) $9e^{9x} - 4\sin 4x$
C) $\frac{1}{9}e^{9x} + \frac{1}{4}\sin 4x$ D) $9e^{9x} + 4\sin 4x$

2159. 3.2-1 file-» 50 - 150 - - (704480)
 $y = e^{8x} - \cos 5x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

- A) $8e^{8x} + 5\sin 5x$ B) $\frac{1}{8}e^{8x} - \frac{1}{5}\sin 5x$
 C) $8e^{8x} - 5\sin 5x$ D) $\frac{1}{8}e^{8x} + \frac{1}{5}\sin 5x$

2160. 3.2-1 file-» 50 - 150 - - (704481)
 $y = e^{7x} - \cos 6x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

- A) $\frac{1}{7}e^{7x} + \frac{1}{6}\sin 6x$ B) $7e^{7x} + 6\sin 6x$
C) $\frac{1}{7}e^{7x} - \frac{1}{6}\sin 6x$ D) $7e^{7x} - 6\sin 6x$

2161. 3.2-1 file-» 50 - 150 - - (704482)
 $y = e^{6x} - \cos 7x$ funksiyaning boshlang'ich funksiyalaridan birini toping.

- A) $6e^{6x} - 7\sin 7x$ B) $\frac{1}{6}e^{6x} + \frac{1}{7}\sin 7x$
 C) $6e^{6x} + 7\sin 7x$ D) $\frac{1}{6}e^{6x} - \frac{1}{7}\sin 7x$

2162. 3.2-1 file-» 50 - 150 - - (704483)
 $y = e^{5x} - \cos 8x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{1}{5}e^{5x} - \frac{1}{8} \sin 8x$ **B)** $5e^{5x} - 8 \sin 8x$
C) $\frac{1}{5}e^{5x} + \frac{1}{8} \sin 8x$ **D)** $5e^{5x} + 8 \sin 8x$
2163. 3.2-1 file-» 50 - 150 - - (704484)
 $y = e^{8x} + \sin 4x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{1}{8}e^{8x} - \frac{1}{4} \cos 4x$ **B)** $8e^{8x} - 4 \cos 4x$
C) $\frac{1}{8}e^{8x} + \frac{1}{4} \cos 4x$ **D)** $8e^{8x} + 4 \cos 4x$
2164. 3.2-1 file-» 50 - 150 - - (704485)
 $y = e^{7x} + \sin 5x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $7e^{7x} + 5 \cos 5x$ **B)** $\frac{1}{7}e^{7x} - \frac{1}{5} \cos 5x$
C) $7e^{7x} - 5 \cos 5x$ **D)** $\frac{1}{7}e^{7x} + \frac{1}{5} \cos 5x$
2165. 3.2-1 file-» 50 - 150 - - (704486)
 $y = e^{6x} + \sin 6x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{1}{6}e^{6x} + \frac{1}{6} \cos 6x$ **B)** $6e^{6x} + 6 \cos 6x$
C) $\frac{1}{6}e^{6x} - \frac{1}{6} \cos 6x$ **D)** $6e^{6x} - 6 \cos 6x$
2166. 3.2-1 file-» 50 - 150 - - (704487)
 $y = e^{5x} + \sin 7x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $5e^{5x} - 7 \cos 7x$ **B)** $\frac{1}{5}e^{5x} + \frac{1}{7} \cos 7x$
C) $5e^{5x} + 7 \cos 7x$ **D)** $\frac{1}{5}e^{5x} - \frac{1}{7} \cos 7x$
2167. 3.2-1 file-» 50 - 150 - - (704488)
 $y = e^{4x} + \sin 8x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{1}{4}e^{4x} - \frac{1}{8} \cos 8x$ **B)** $4e^{4x} - 8 \cos 8x$
C) $\frac{1}{4}e^{4x} + \frac{1}{8} \cos 8x$ **D)** $4e^{4x} + 8 \cos 8x$
2168. 3.2-1 file-» 50 - 150 - - (704489)
 $y = e^{10x} - \sin 3x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{1}{10}e^{10x} + \frac{1}{3} \cos 3x$ **B)** $10e^{10x} + 3 \cos 3x$
C) $\frac{1}{10}e^{10x} - \frac{1}{3} \cos 3x$ **D)** $10e^{10x} - 3 \cos 3x$

2169. 3.2-1 file-» 50 - 150 - - (704490)
 $y = e^{9x} - \sin 4x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $9e^{9x} - 4 \cos 4x$ **B)** $\frac{1}{9}e^{9x} + \frac{1}{4} \cos 4x$
C) $9e^{9x} + 4 \cos 4x$ **D)** $\frac{1}{9}e^{9x} - \frac{1}{4} \cos 4x$
2170. 3.2-1 file-» 50 - 150 - - (704491)
 $y = e^{8x} - \sin 5x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{1}{8}e^{8x} - \frac{1}{5} \cos 5x$ **B)** $8e^{8x} - 5 \cos 5x$
C) $\frac{1}{8}e^{8x} + \frac{1}{5} \cos 5x$ **D)** $8e^{8x} + 5 \cos 5x$
2171. 3.2-1 file-» 50 - 150 - - (704492)
 $y = e^{7x} - \sin 6x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $7e^{7x} + 6 \cos 6x$ **B)** $\frac{1}{7}e^{7x} - \frac{1}{6} \cos 6x$
C) $7e^{7x} - 6 \cos 6x$ **D)** $\frac{1}{7}e^{7x} + \frac{1}{6} \cos 6x$
2172. 3.2-1 file-» 50 - 150 - - (704493)
 $y = e^{6x} - \sin 7x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{1}{6}e^{6x} + \frac{1}{7} \cos 7x$ **B)** $6e^{6x} + 7 \cos 7x$
C) $\frac{1}{6}e^{6x} - \frac{1}{7} \cos 7x$ **D)** $6e^{6x} - 7 \cos 7x$
2173. 3.2-1 file-» 50 - 150 - - (704494)
 $y = 9\sqrt{x} - 4 \cos(2x + 8)$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $6x^{\frac{3}{2}} - 2 \sin(2x + 8)$
B) $\frac{9}{2\sqrt{x}} - 8 \sin(2x + 8)$
C) $6x^{\frac{3}{2}} + 2 \sin(2x + 8)$
D) $\frac{9}{2\sqrt{x}} + 8 \sin(2x + 8)$
2174. 3.2-1 file-» 50 - 150 - - (704495)
 $y = 3\sqrt{x} - 6 \cos(3x + 7)$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{3}{2\sqrt{x}} + 18 \sin(3x + 7)$
B) $2x^{\frac{3}{2}} - 2 \sin(3x + 7)$
C) $\frac{3}{2\sqrt{x}} - 18 \sin(3x + 7)$
D) $2x^{\frac{3}{2}} + 2 \sin(3x + 7)$

2175. 3.2-1 file-» 50 - 150 - - (704496)
 $y = 6\sqrt{x} - 8 \cos(4x + 6)$ funksiyaning boshlang'ich funksiyalaridan birini toping.
 A) $4x^{\frac{3}{2}} + 2 \sin(4x + 6)$
 B) $\frac{3}{\sqrt{x}} + 32 \sin(4x + 6)$
C) $4x^{\frac{3}{2}} - 2 \sin(4x + 6)$
 D) $\frac{3}{\sqrt{x}} - 32 \sin(4x + 6)$

2176. 3.2-1 file-» 50 - 150 - - (704497)
 $y = 9\sqrt{x} - 10 \cos(5x + 5)$ funksiyaning boshlang'ich funksiyalaridan birini toping.
 A) $\frac{9}{2\sqrt{x}} - 50 \sin(5x + 5)$
 B) $6x^{\frac{3}{2}} + 2 \sin(5x + 5)$
 C) $\frac{9}{2\sqrt{x}} + 50 \sin(5x + 5)$
D) $6x^{\frac{3}{2}} - 2 \sin(5x + 5)$

2177. 3.2-1 file-» 50 - 150 - - (704498)
 $y = 3\sqrt{x} - 12 \cos(6x + 4)$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $2x^{\frac{3}{2}} - 2 \sin(6x + 4)$
 B) $\frac{3}{2\sqrt{x}} - 72 \sin(6x + 4)$
 C) $2x^{\frac{3}{2}} + 2 \sin(6x + 4)$
 D) $\frac{3}{2\sqrt{x}} + 72 \sin(6x + 4)$

2178. 3.2-1 file-» 50 - 155 - - (719486)
 $y = e^{2x} + \cos 7x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
 A) $\frac{1}{2}e^{2x} - \frac{1}{7} \sin 7x$ B) $2e^{2x} + 7 \sin 7x$
 C) $\frac{1}{2}e^{2x} + \frac{1}{7} \sin 7x$ D) $2e^{2x} - 7 \sin 7x$
C)

2179. 3.2-1 file-» 50 - 155 - - (719487)
 $y = e^{3x} + \cos 6x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
 A) $3e^{3x} - 6 \sin 6x$ B) $\frac{1}{3}e^{3x} - \frac{1}{6} \sin 6x$
 C) $3e^{3x} + 6 \sin 6x$ D) $\frac{1}{3}e^{3x} + \frac{1}{6} \sin 6x$

2180. 3.2-1 file-» 50 - 155 - - (719488)
 $y = e^{4x} + \cos 5x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{1}{4}e^{4x} + \frac{1}{5} \sin 5x$ B) $4e^{4x} - 5 \sin 5x$
 C) $\frac{1}{4}e^{4x} - \frac{1}{5} \sin 5x$ D) $4e^{4x} + 5 \sin 5x$

2181. 3.2-1 file-» 50 - 155 - - (719489)
 $y = e^{5x} + \cos 4x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
 A) $5e^{5x} + 4 \sin 4x$ B) $\frac{1}{5}e^{5x} + \frac{1}{4} \sin 4x$
 C) $5e^{5x} - 4 \sin 4x$ D) $\frac{1}{5}e^{5x} - \frac{1}{4} \sin 4x$
B)

2182. 3.2-1 file-» 50 - 155 - - (719490)
 $y = e^{6x} + \cos 3x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
 A) $\frac{1}{6}e^{6x} - \frac{1}{3} \sin 3x$ B) $6e^{6x} + 3 \sin 3x$
 C) $\frac{1}{6}e^{6x} + \frac{1}{3} \sin 3x$ D) $6e^{6x} - 3 \sin 3x$
C)

2183. 3.2-1 file-» 50 - 155 - - (719491)
 $y = e^{3x} - \cos 8x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
 A) $\frac{1}{3}e^{3x} - \frac{1}{8} \sin 8x$ B) $3e^{3x} - 8 \sin 8x$
 C) $\frac{1}{3}e^{3x} + \frac{1}{8} \sin 8x$ D) $3e^{3x} + 8 \sin 8x$
A)

2184. 3.2-1 file-» 50 - 155 - - (719492)
 $y = e^{4x} - \cos 7x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
 A) $4e^{4x} + 7 \sin 7x$ B) $\frac{1}{4}e^{4x} - \frac{1}{7} \sin 7x$
 C) $4e^{4x} - 7 \sin 7x$ D) $\frac{1}{4}e^{4x} + \frac{1}{7} \sin 7x$
B)

2185. 3.2-1 file-» 50 - 155 - - (719493)
 $y = e^{5x} - \cos 6x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
 A) $\frac{1}{5}e^{5x} + \frac{1}{6} \sin 6x$ B) $5e^{5x} + 6 \sin 6x$
 C) $\frac{1}{5}e^{5x} - \frac{1}{6} \sin 6x$ D) $5e^{5x} - 6 \sin 6x$
C)

2186. 3.2-1 file-» 50 - 155 - - (719494)
 $y = e^{6x} - \cos 5x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
 A) $6e^{6x} - 5 \sin 5x$ B) $\frac{1}{6}e^{6x} + \frac{1}{5} \sin 5x$
 C) $6e^{6x} + 5 \sin 5x$ D) $\frac{1}{6}e^{6x} - \frac{1}{5} \sin 5x$

2187. 3.2-1 file-» 50 - 155 - - (719495)
 $y = e^{7x} - \cos 4x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{1}{7}e^{7x} - \frac{1}{4} \sin 4x$ B) $7e^{7x} - 4 \sin 4x$
 C) $\frac{1}{7}e^{7x} + \frac{1}{4} \sin 4x$ D) $7e^{7x} + 4 \sin 4x$

2188. 3.2-1 file-» 50 - 155 - - (719496)
 $y = e^{2x} + \sin 8x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{1}{2}e^{2x} - \frac{1}{8} \cos 8x$ **B)** $2e^{2x} - 8 \cos 8x$
C) $\frac{1}{2}e^{2x} + \frac{1}{8} \cos 8x$ **D)** $2e^{2x} + 8 \cos 8x$
2189. 3.2-1 file-» 50 - 155 - - (719497)
 $y = e^{3x} + \sin 7x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $3e^{3x} + 7 \cos 7x$ **B)** $\frac{1}{3}e^{3x} - \frac{1}{7} \cos 7x$
C) $3e^{3x} - 7 \cos 7x$ **D)** $\frac{1}{3}e^{3x} + \frac{1}{7} \cos 7x$
2190. 3.2-1 file-» 50 - 155 - - (719498)
 $y = e^{4x} + \sin 6x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{1}{4}e^{4x} + \frac{1}{6} \cos 6x$ **B)** $4e^{4x} + 6 \cos 6x$
C) $\frac{1}{4}e^{4x} - \frac{1}{6} \cos 6x$ **D)** $4e^{4x} - 6 \cos 6x$
2191. 3.2-1 file-» 50 - 155 - - (719499)
 $y = e^{5x} + \sin 5x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $5e^{5x} - 5 \cos 5x$ **B)** $\frac{1}{5}e^{5x} + \frac{1}{5} \cos 5x$
C) $5e^{5x} + 5 \cos 5x$ **D)** $\frac{1}{5}e^{5x} - \frac{1}{5} \cos 5x$
2192. 3.2-1 file-» 50 - 155 - - (719500)
 $y = e^{6x} + \sin 4x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{1}{6}e^{6x} - \frac{1}{4} \cos 4x$ **B)** $6e^{6x} - 4 \cos 4x$
C) $\frac{1}{6}e^{6x} + \frac{1}{4} \cos 4x$ **D)** $6e^{6x} + 4 \cos 4x$
2193. 3.2-1 file-» 50 - 155 - - (719501)
 $y = e^{2x} - \sin 9x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{1}{2}e^{2x} + \frac{1}{9} \cos 9x$ **B)** $2e^{2x} + 9 \cos 9x$
C) $\frac{1}{2}e^{2x} - \frac{1}{9} \cos 9x$ **D)** $2e^{2x} - 9 \cos 9x$
2194. 3.2-1 file-» 50 - 155 - - (719502)
 $y = e^{3x} - \sin 8x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $3e^{3x} - 8 \cos 8x$ **B)** $\frac{1}{3}e^{3x} + \frac{1}{8} \cos 8x$
C) $3e^{3x} + 8 \cos 8x$ **D)** $\frac{1}{3}e^{3x} - \frac{1}{8} \cos 8x$
2195. 3.2-1 file-» 50 - 155 - - (719503)
 $y = e^{4x} - \sin 7x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{1}{4}e^{4x} - \frac{1}{7} \cos 7x$ **B)** $4e^{4x} - 7 \cos 7x$
C) $\frac{1}{4}e^{4x} + \frac{1}{7} \cos 7x$ **D)** $4e^{4x} + 7 \cos 7x$
2196. 3.2-1 file-» 50 - 155 - - (719504)
 $y = e^{5x} - \sin 6x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $5e^{5x} + 6 \cos 6x$ **B)** $\frac{1}{5}e^{5x} - \frac{1}{6} \cos 6x$
C) $5e^{5x} - 6 \cos 6x$ **D)** $\frac{1}{5}e^{5x} + \frac{1}{6} \cos 6x$
2197. 3.2-1 file-» 50 - 155 - - (719505)
 $y = e^{6x} - \sin 5x$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{1}{6}e^{6x} + \frac{1}{5} \cos 5x$ **B)** $6e^{6x} + 5 \cos 5x$
C) $\frac{1}{6}e^{6x} - \frac{1}{5} \cos 5x$ **D)** $6e^{6x} - 5 \cos 5x$
2198. 3.2-1 file-» 50 - 155 - - (719506)
 $y = 2\sqrt{x} - 4 \cos(2x + 8)$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{4x^{\frac{3}{2}}}{3} - 2 \sin(2x + 8)$
B) $\frac{1}{\sqrt{x}} - 8 \sin(2x + 8)$
C) $\frac{4x^{\frac{3}{2}}}{3} + 2 \sin(2x + 8)$
D) $\frac{1}{\sqrt{x}} + 8 \sin(2x + 8)$
2199. 3.2-1 file-» 50 - 155 - - (719507)
 $y = 3\sqrt{x} - 6 \cos(3x + 7)$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{3}{2\sqrt{x}} + 18 \sin(3x + 7)$
B) $2x^{\frac{3}{2}} - 2 \sin(3x + 7)$
C) $\frac{3}{2\sqrt{x}} - 18 \sin(3x + 7)$
D) $2x^{\frac{3}{2}} + 2 \sin(3x + 7)$
2200. 3.2-1 file-» 50 - 155 - - (719508)
 $y = 4\sqrt{x} - 8 \cos(4x + 6)$ funksiyaning boshlang'ich funksiyalaridan birini toping.
A) $\frac{8x^{\frac{3}{2}}}{3} + 2 \sin(4x + 6)$
B) $\frac{2}{\sqrt{x}} + 32 \sin(4x + 6)$
C) $\frac{8x^{\frac{3}{2}}}{3} - 2 \sin(4x + 6)$
D) $\frac{2}{\sqrt{x}} - 32 \sin(4x + 6)$

2201. 3.2-1 file-» 50 - 155 - - (719509)
 $y = 5\sqrt{x} - 10 \cos(5x + 5)$ funksiyaning boshlang'ich funksiyalaridan birini toping.
 A) $\frac{5}{2\sqrt{x}} - 50 \sin(5x + 5)$
 B) $\frac{10x^{\frac{3}{2}}}{3} + 2 \sin(5x + 5)$
 C) $\frac{5}{2\sqrt{x}} + 50 \sin(5x + 5)$
 D) $\frac{10x^{\frac{3}{2}}}{3} - 2 \sin(5x + 5)$
2202. 3.2-1 file-» 50 - 155 - - (719510)
 $y = 6\sqrt{x} - 12 \cos(6x + 4)$ funksiyaning boshlang'ich funksiyalaridan birini toping.
 A) $4x^{\frac{3}{2}} - 2 \sin(6x + 4)$
 B) $\frac{3}{\sqrt{x}} - 72 \sin(6x + 4)$
 C) $4x^{\frac{3}{2}} + 2 \sin(6x + 4)$
 D) $\frac{3}{\sqrt{x}} + 72 \sin(6x + 4)$
2203. 3.3-2 file-» 6 - 3 - - 1 (704499)
 $a = \log_{98} 112$ bo'lsa, $\log_7 2$ ni a orqali ifodalang.
 A) $\frac{4-a}{2a-1}$ B) $\frac{2a-1}{3-a}$ C) $\frac{a-3}{2a-1}$
 D) $\frac{1-2a}{a-4}$
2204. 3.3-2 file-» 6 - 4 - - 1 (704500)
 $a = \log_{147} 189$ bo'lsa, $\log_7 3$ ni a orqali ifodalang.
 A) $\frac{1-2a}{a-2}$ B) $\frac{2a-1}{3-a}$ C) $\frac{a-2}{1-2a}$
 D) $\frac{a-2}{2a-1}$
2205. 3.3-2 file-» 6 - 5 - - 1 (704501)
 $a = \log_{75} 135$ bo'lsa, $\log_5 3$ ni a orqali ifodalang.
 A) $\frac{1-2a}{a-2}$ B) $\frac{2a-1}{a-2}$ C) $\frac{1-2a}{a-3}$
 D) $\frac{a-2}{2a-1}$
2206. 3.3-2 file-» 6 - 6 - - 1 (704502)
 $a = \log_{50} 80$ bo'lsa, $\log_5 2$ ni a orqali ifodalang.
 A) $\frac{3a-1}{2-a}$ B) $\frac{a-3}{1-2a}$ C) $\frac{1-2a}{a-4}$
 D) $\frac{2a-1}{a-3}$
2207. 3.3-2 file-» 22 - 13 - - 1 (704503)
 $\log_2(4-2x) - \log_{\frac{1}{8}}(4-2x) > \frac{4}{3}$ tengsizlikni yeching.
 A) $(-\infty; 0,5)$ B) $(-\infty; 1)$ C) $(-4; -1)$
 D) $(0; 1)$
2208. 3.3-2 file-» 22 - 14 - - 1 (704504)
 $\log_{\frac{1}{\sqrt{3}}}(x-9) + 2\log_{\sqrt{3}}(x-9) < 4$ tengsizlikni yeching.
 A) $(6; 15)$ B) $(5; 14)$ C) $(5; 81)$
 D) $(9; 18)$
2209. 3.3-2 file-» 22 - 15 - - 1 (704505)
 $\log_{\frac{1}{3}}(x+4) - \log_9(x+4) > -\frac{3}{2}$ tengsizlikni yeching.
 A) $(0; 1)$ B) $(-4; -1)$ C) $(2; 3)$
 D) $(-2; 1)$
2210. 3.3-2 file-» 6 - 7 - - 1 (704506)
 $\log_3^2 x - 5\log_3 x + 6 = 0$ tenglamaning ildizlari yig'indisini toping.
 A) 36 B) 27 C) 12 D) 18
2211. 3.3-2 file-» 6 - 8 - - 1 (704507)
 $\log_3^2 x - 4\log_3 x + 3 = 0$ tenglamaning ildizlari yig'indisini toping.
 A) 20 B) 10 C) 4 D) 30
2212. 3.3-2 file-» 19 - 2 - - 1 (704508)
 $a = \log_{0,2} 8$, $b = \log_4 2$, $c = \log_{0,9} 0,6$,
 $d = \log_3 0,8$ va $l = \log_{0,9} 2$ sonlardan qaysilari musbat?
 A) b va c B) a , d va l C) c va d
 D) a , c va d
2213. 3.3-2 file-» 23 - 17 - - 1 (704509)
 $2\log_2 3 \cdot \log_3 2 \cdot \log_3 \frac{1}{243}$ ni hisoblang.
 A) -10 B) -9 C) -4 D) -8
2214. 3.3-2 file-» 23 - 17 - - 1 (704510)
 $n = \log_{1/2} 4 + \log_{1/2} 2$, $m = \ln e^{-2}$ va
 $p = \log_{1/3} 15 - \log_{1/3} 5$ sonlarni kamayish tartibida joylashtiring.
 A) $p > m > n$ B) $m > n > p$
 C) $n > p > m$ D) $m > p > n$
2215. 3.3-2 file-» 23 - 17 - - 1 (704511)
 $2^{|x-7|+2x-4} = 64$ tenglamani yeching.
 A) 1,5 B) 1 C) 2 D) 3
2216. 3.3-2 file-» 23 - 19 - - 1 (704512)
 $a = \left(\frac{1}{3}\right)^{-\sqrt{3}}$, $b = \sqrt[4]{3^6}$ va $c = (\sqrt[3]{3})^5$ sonlarni o'sish tartibida joylashtiring.
 A) $b < c < a$ B) $a < c < b$ C) $c < b < a$
 D) $c < a < b$
2217. 3.3-2 file-» 32 - 1 - - 1 (704513)
 Qaysi javobda manfiy son ko'rsatilgan?
 A) $\log_{\frac{2}{3}} 3$ B) $\log_{\sqrt{2}} \sqrt{3}$ C) $\log_{\frac{1}{7}} \frac{1}{\sqrt{45}}$
 D) $\log_2 1,2$

2218. 3.3-3 file-» 16 - 2 - - (56898)
 $|x - 14| \cdot \log_2(x - 4) = 3(14 - x)$ тенглама
 илдизларининг йиғиндисини топинг.
 A) 42 **B) 26** C) $30\frac{1}{8}$ D) 24
2219. 3.3-3 file-» 17 - 1 - - (56951)
 $x^{\log_2 x + 2} < 8$ тенгсизликни ечинг.
 A) $(2^{-5}; 2)$ B) $(2^{-2}; 2)$ **C) $(2^{-3}; 2)$**
 D) $(2^{-4}; 2)$
2220. 3.3-3 file-» 23 - 6 - - (57159)
 $a = 0, 2^{-0,7} \cdot 0, 3^{-0,6}; b = 0, 8^{-1/3} \cdot 3^{0,4};$
 $c = 1, 2^{0,4} \cdot 1, 1^{1,5}$ ва $d = 2^{-0,7} \cdot 0, 2^{0,1}$ сонлардан
 қайси бири 1 дан кичик?
 A) a B) b C) c **D) d**
2221. 3.3-3 file-» 19 - 1 - - 3 (68331)
 $\log_2 \log_{\frac{1}{3}} \log_8 x > 0$ тенгсизликни ечинг.
A) $(1; 2)$ B) $(-\infty; 0) \cup (0; 2)$ C) $(0; 2)$
 D) $(-\infty; 2)$
2222. 3.3-3 file-» 16 - 3 - - 5 (69020)
 $\log_{0,5}(x + 3)^4 > \log_{0,5}(3x - 7)^4$ тенгсизликни
 ечинг.
A) $(-\infty; -3) \cup (-3; 1) \cup (5; \infty)$ B) $(5; \infty)$
 C) $(-3; 1) \cup (5; \infty)$ D) $(-\infty; 1) \cup (1; \infty)$
2223. 3.3-3 file-» 23 - 13 - - 10 (71115)
 $4^{\log_2 x} + x^2 < 50$ тенгсизликнинг барча бутун
 сонлардан иборат ечимлари йиғиндисини
 топинг.
 A) 6 **B) 10** C) 15 D) 7
2224. 3.3-3 file-» 16 - 5 - - 10 (96281)
 $y = \sqrt{\lg^2 |2x - 7| \cdot (5x - 6 - x^2)}$ функциянинг
 аниқланиш соҳасига тегишли бутун
 сонларнинг йиғиндисини топинг.
 A) 14 B) 5 **C) 9** D) 12
2225. 3.3-3 file-» 16 - 7 - - 6 (105903)
 $(x^2 - 12x + 32) \sqrt{\log_3(x - 5)} \leq 0$ тенгсизликни
 ечинг.
 A) $(4; 8]$ **B) $[6; 8]$** C) $[7; 8)$ D) $(7; 8)$
2226. 3.3-3 file-» 23 - 18 - - 7 (115479)
 Агар $\log_3 4 = a$ ва $\log_5 4 = b$ бўлса, $\log_4 135$ ни
 a ва b орқали ифодаланг.
 A) $\frac{a + 2b}{ab}$ B) $\frac{3a + b}{a + b}$ **C) $\frac{a + 3b}{ab}$** D) $\frac{a + 3b}{a + b}$
2227. 3.3-3 file-» 19 - 5 - - 2 (123022)
 $2 \log_8 x - \log_8(x - 1) > \frac{2}{3}$ тенгсизликни ечинг.
 A) $(3; 5)$ B) $(2; \infty)$ **C) $(1; 2) \cup (2; \infty)$**
 D) $(3; \infty)$
2228. 3.3-3 file-» 19 - 6 - - 8 (136409)
 Агар $\log_4(\sqrt{3} - 1) + \log_4(\sqrt{6} - 2) = a$ бўлса,
 $\log_4(\sqrt{3} + 1) + \log_4(\sqrt{6} + 2)$ йиғиндини
 топинг.
 A) $\sqrt{6} - a$ B) $\sqrt{3} - a$ **C) $1 - a$** D) $2 - a$
2229. 3.3-3 file-» 19 - 6 - - 8 (136412)
 $\frac{2 \log_4 x}{2 + \log_4 x} \leq 1$ тенгсизликнинг ечимларидан
 иборат туб сонларнинг йиғиндисини топинг.
 A) 17 B) 28 **C) 41** D) 21
2230. 3.3-3 file-» 32 - 3 - - 2 (139950)
 $a = 2 \log_2 5, b = 4 \log_{\frac{1}{4}} \frac{5}{26}, c = 3 \log_{\frac{1}{8}} \frac{1}{23}$
 сонларни ўсиш тартибида жойлаштиринг.
 A) $b < a < c$ B) $a < b < c$ C) $b < c < a$
D) $c < a < b$
2231. 3.3-3 file-» 19 - 8 - - 6 (141385)
 $\frac{\log_{\sqrt{6}} x - 2}{\log_{\sqrt{6}} x - 4} \leq 0$ тенгсизликнинг ечимларидан
 нечтаси туб сонлардан иборат?
 A) 6 B) 5 **C) 8** D) 7
2232. 3.3-3 file-» 51 - 1 - - (174999)
 $\log_{\frac{2}{3}} \frac{x}{4} \leq \log_{\frac{4}{9}}(x - 3)$ тенгсизликни ечинг.
 A) $(-\infty; 4] \cup [12; \infty)$ **B) $(3; 4] \cup [12; \infty)$**
 C) $(-\infty; 3) \cup (3; \infty)$ D) $(0; 3) \cup (3; 4]$
2233. 3.3-3 file-» 16 - 2 - - (315401)
 $|x - 14| \cdot \log_2(x - 4) = 3(14 - x)$ tenglama
 ildizlarining yig'indisini toping.
 A) 42 **B) 26** C) $30\frac{1}{8}$ D) 24
2234. 3.3-3 file-» 17 - 1 - - (315402)
 $x^{\log_2 x + 2} < 8$ tengsizlikni yeching.
 A) $(2^{-5}; 2)$ B) $(2^{-2}; 2)$ **C) $(2^{-3}; 2)$**
 D) $(2^{-4}; 2)$
2235. 3.3-3 file-» 23 - 6 - - (315403)
 $a = 0, 2^{-0,7} \cdot 0, 3^{-0,6}; b = 0, 8^{-1/3} \cdot 3^{0,4};$
 $c = 1, 2^{0,4} \cdot 1, 1^{1,5}$ va $d = 2^{-0,7} \cdot 0, 2^{0,1}$ sonlardan
 qaysi biri 1 dan kichik?
 A) a B) b C) c **D) d**
2236. 3.3-3 file-» 19 - 1 - - 3 (315404)
 $\log_2 \log_{\frac{1}{3}} \log_8 x > 0$ tengsizlikni yeching.
A) $(1; 2)$ B) $(-\infty; 0) \cup (0; 2)$ C) $(0; 2)$
 D) $(-\infty; 2)$
2237. 3.3-3 file-» 16 - 3 - - 5 (315405)
 $\log_{0,5}(x + 3)^4 > \log_{0,5}(3x - 7)^4$ tengsizlikni
 yeching.
A) $(-\infty; -3) \cup (-3; 1) \cup (5; \infty)$ B) $(5; \infty)$
 C) $(-3; 1) \cup (5; \infty)$ D) $(-\infty; 1) \cup (1; \infty)$

2238. 3.3-3 file-» 23 - 13 - - 10 (315406)
 $4^{\log_2 x} + x^2 < 50$ tengsizlikning barcha butun sonlardan iborat yechimlari yig'indisini toping.
 A) 6 **B) 10** C) 15 D) 7
2239. 3.3-3 file-» 16 - 5 - - 10 (315407)
 $y = \sqrt{\lg^2 |2x - 7| \cdot (5x - 6 - x^2)}$ funksiyaning aniqlanish sohasiga tegishli butun sonlarning yig'indisini toping.
 A) 14 B) 5 **C) 9** D) 12
2240. 3.3-3 file-» 16 - 7 - - 6 (315408)
 $(x^2 - 12x + 32) \sqrt{\log_3 (x - 5)} \leq 0$ tengsizlikni yeching.
 A) (4; 8] **B) [6; 8]** C) [7; 8) D) (7; 8)
2241. 3.3-3 file-» 23 - 18 - - 7 (315409)
 Agar $\log_3 4 = a$ va $\log_5 4 = b$ bo'lsa, $\log_4 135$ ni a va b orqali ifodalang.
 A) $\frac{a+2b}{ab}$ B) $\frac{3a+b}{a+b}$ **C) $\frac{a+3b}{ab}$**
 D) $\frac{a+3b}{a+b}$
2242. 3.3-3 file-» 19 - 5 - - 2 (315410)
 $2\log_8 x - \log_8 (x - 1) > \frac{2}{3}$ tengsizlikni yeching.
 A) (3; 5) B) (2; ∞) **C) (1; 2) \cup (2; ∞)**
 D) (3; ∞)
2243. 3.3-3 file-» 19 - 6 - - 8 (315411)
 Agar $\log_4 (\sqrt{3} - 1) + \log_4 (\sqrt{6} - 2) = a$ bo'lsa, $\log_4 (\sqrt{3} + 1) + \log_4 (\sqrt{6} + 2)$ yig'indini toping.
 A) $\sqrt{6} - a$ B) $\sqrt{3} - a$ **C) $1 - a$**
 D) $2 - a$
2244. 3.3-3 file-» 19 - 6 - - 8 (315412)
 $\frac{2\log_4 x}{2 + \log_4 x} \leq 1$ tengsizlikning yechimlaridan iborat tub sonlarning yig'indisini toping.
 A) 17 B) 28 **C) 41** D) 21
2245. 3.3-3 file-» 32 - 3 - - 2 (315413)
 $a = 2\log_2 5$, $b = 4\log_{\frac{1}{4}} \frac{5}{26}$, $c = 3\log_{\frac{1}{8}} \frac{1}{23}$ sonlarni o'sish tartibida joylashtiring.
 A) $b < a < c$ B) $a < b < c$ C) $b < c < a$
D) $c < a < b$
2246. 3.3-3 file-» 19 - 8 - - 6 (315414)
 $\frac{\log_{\sqrt{6}} x - 2}{\log_{\sqrt{6}} x - 4} \leq 0$ tengsizlikning yechimlaridan nechitasi tub sonlardan iborat?
 A) 6 B) 5 **C) 8** D) 7
2247. 3.3-3 file-» 51 - 1 - - (315415)
 $\log_{\frac{3}{4}} \frac{x}{4} \leq \log_{\frac{3}{4}} (x - 3)$ tengsizlikni yeching.
 A) $(-\infty; 4] \cup [12; \infty)$ **B) (3; 4] \cup [12; ∞)**
 C) $(-\infty; 3) \cup (3; \infty)$ D) $(0; 3) \cup (3; 4]$
2248. 3.3-3 file-» 50 - 106 - - (401961)
 $9^{\log_9 (x-4)} < 3$ tengsizlikni yeching.
A) $4 < x < 7$ B) $x < 7$ C) $4 < x < 6$
 D) $4 < x \leq 6$
2249. 3.3-3 file-» 50 - 106 - - (401962)
 $9^{\log_9 (x-4)} > 3$ tengsizlikni yeching.
A) $x > 7$ B) $4 < x < 7$ C) $x \geq 8$
 D) $x \geq 9$
2250. 3.3-3 file-» 50 - 106 - - (401963)
 $9^{\log_9 (x-4)} \leq 3$ tengsizlikni yeching.
A) $4 < x \leq 7$ B) $x \leq 7$ C) $4 \leq x \leq 7$
 D) $x > 7$
2251. 3.3-3 file-» 50 - 106 - - (401964)
 $9^{\log_9 (x-4)} \geq 3$ tengsizlikni yeching.
A) $x \geq 7$ B) $4 < x \leq 7$ C) {7}
 D) $x > 7$
2252. 3.3-3 file-» 50 - 106 - - (401965)
 $5^{\log_5 (x-7)} < 4$ tengsizlikni yeching.
A) $7 < x < 11$ B) $x < 11$ C) $7 < x < 10$
 D) $7 < x \leq 11$
2253. 3.3-3 file-» 50 - 106 - - (401966)
 $5^{\log_5 (x-7)} > 4$ tengsizlikni yeching.
A) $x > 11$ B) $7 < x < 11$ C) $x \geq 12$
 D) $x \geq 13$
2254. 3.3-3 file-» 50 - 106 - - (401967)
 $5^{\log_5 (x-7)} \leq 4$ tengsizlikni yeching.
A) $7 < x \leq 11$ B) $x \geq 11$ C) $7 \leq x \leq 11$
 D) $x > 11$
2255. 3.3-3 file-» 50 - 106 - - (401968)
 $5^{\log_5 (x-7)} \geq 4$ tengsizlikni yeching.
A) $x \geq 11$ B) $7 < x \leq 11$ C) {11}
 D) $x > 11$
2256. 3.3-3 file-» 50 - 106 - - (401969)
 $2^{\log_2 (x+7)} < 3$ tengsizlikni yeching.
A) $-7 < x < -4$ B) $x < -4$
 C) $-7 < x < -3$ D) $-7 < x \leq -3$
2257. 3.3-3 file-» 50 - 106 - - (401970)
 $2^{\log_2 (x+7)} > 3$ tengsizlikni yeching.
A) $x > -4$ B) $-7 < x > -4$ C) $x \geq -3$
 D) $x \geq -2$
2258. 3.3-3 file-» 50 - 106 - - (401971)
 $2^{\log_2 (x+7)} \leq 3$ tengsizlikni yeching.
A) $-7 < x \leq -4$ B) $x \geq -4$
 C) $-7 \leq x \leq -4$ D) $x = -4$

2259. 3.3-3 file-» 50 - 106 - - (401972)
 $2^{\log_2(x+7)} \geq 3$ tengsizlikni yeching.
A) $x \geq -4$ B) $-7 < x \leq -4$ C) $\{-4\}$
 D) $x > -4$
2260. 3.3-3 file-» 50 - 106 - - (401973)
 $5^{\log_5(6-x)} < 2$ tengsizlikni yeching.
A) $4 < x < 6$ B) $x < 4$ C) $4 < x < 5$
 D) $4 < x \leq 5$
2261. 3.3-3 file-» 50 - 106 - - (401974)
 $5^{\log_5(6-x)} > 2$ tengsizlikni yeching.
A) $x < 4$ B) $4 < x < 6$ C) $x < 3$
 D) $4 \leq x < 6$
2262. 3.3-3 file-» 50 - 106 - - (401975)
 $5^{\log_5(6-x)} \leq 2$ tengsizlikni yeching.
A) $4 \leq x < 6$ B) $x \leq 4$ C) $4 \leq x \leq 6$
 D) $x = 4$
2263. 3.3-3 file-» 50 - 106 - - (401976)
 $5^{\log_5(6-x)} \geq 2$ tengsizlikni yeching.
A) $x \leq 4$ B) $4 \leq x < 6$ C) $x = 4$
 D) $x \leq 3$
2264. 3.3-3 file-» 50 - 106 - - (401977)
 $6^{\log_6(8-x)} < 4$ tengsizlikni yeching.
A) $4 < x < 8$ B) $x < 4$ C) $4 < x < 7$
 D) $4 < x \leq 7$
2265. 3.3-3 file-» 50 - 106 - - (401978)
 $6^{\log_6(8-x)} > 4$ tengsizlikni yeching.
A) $x < 4$ B) $4 < x < 8$ C) $x < 3$
 D) $x \leq 2$
2266. 3.3-3 file-» 50 - 106 - - (401979)
 $6^{\log_6(8-x)} \leq 4$ tengsizlikni yeching.
A) $4 \leq x < 8$ B) $x \leq 4$ C) $4 \leq x < 7$
 D) $x = 4$
2267. 3.3-3 file-» 50 - 106 - - (401980)
 $6^{\log_6(8-x)} \geq 4$ tengsizlikni yeching.
A) $x \leq 4$ B) $4 \leq x < 8$ C) $x \leq 3$
 D) $x = 4$
2268. 3.3-3 file-» 50 - 106 - - (401981)
 $7^{\log_7(9-x)} < 4$ tengsizlikni yeching.
A) $5 < x < 9$ B) $x < 5$ C) $5 < x < 8$
 D) $5 < x \leq 8$
2269. 3.3-3 file-» 50 - 106 - - (401982)
 $7^{\log_7(9-x)} > 4$ tengsizlikni yeching.
A) $x < 5$ B) $5 < x < 9$ C) $x < 4$
 D) $x \leq 3$
2270. 3.3-3 file-» 50 - 106 - - (401983)
 $7^{\log_7(9-x)} \leq 4$ tengsizlikni yeching.
A) $5 \leq x < 9$ B) $x \leq 5$ C) $5 \leq x < 8$
 D) $x = 5$
2271. 3.3-3 file-» 50 - 106 - - (401984)
 $7^{\log_7(9-x)} \geq 4$ tengsizlikni yeching.
A) $x \leq 5$ B) $5 \leq x < 9$ C) $x \leq 4$
 D) $x = 5$
2272. 3.3-3 file-» 50 - 106 - - (401985)
 $3^{\log_3(4-x)} < 9$ tengsizlikni yeching.
A) $-5 < x < 4$ B) $x < 5$ C) $-5 < x < 3$
 D) $-5 < x \leq 3$
2273. 3.3-3 file-» 50 - 106 - - (401986)
 $3^{\log_3(4-x)} > 9$ tengsizlikni yeching.
A) $x < -5$ B) $-5 < x < 4$ C) $x < 4$
 D) $x \leq -5$
2274. 3.3-3 file-» 50 - 106 - - (401987)
 $3^{\log_3(4-x)} \leq 9$ tengsizlikni yeching.
A) $-5 \leq x < 4$ B) $x \leq 5$ C) $-5 \leq x < 3$
 D) $x = -5$
2275. 3.3-3 file-» 50 - 106 - - (401988)
 $3^{\log_3(4-x)} \geq 9$ tengsizlikni yeching.
A) $x \leq -5$ B) $-5 \leq x < 4$ C) $x \leq 4$
 D) $x = -5$
2276. 3.3-3 file-» 50 - 106 - - (401989)
 $4^{\log_4(11-x)} \leq 2$ tengsizlikni yeching.
A) $9 \leq x < 11$ B) $x \leq 9$ C) $9 \leq x < 10$
 D) $x = 9$
2277. 3.3-3 file-» 50 - 106 - - (401990)
 $4^{\log_4(11-x)} \geq 2$ tengsizlikni yeching.
A) $x \leq 9$ B) $9 \leq x < 11$ C) $x \leq 8$
 D) $x = 9$
2278. 3.3-3 file-» 6 - 4 - - (401991)
 $a = \log_{1/5} 4$, $b = \log_{1/5} 6$ va $c = \log_{1/6} 4$ bo'lsa, a ,
 b va c sonlar uchun quyidagi munosabatlarning
 qaysi biri o'rinli?
A) $c < b < a$ B) $b < c < a$ C) $c < a < b$
 D) $b < a < c$
2279. 3.3-3 file-» 6 - 5 - - (401992)
 $a = \log_{1/6} 4$, $b = \log_{1/5} 6$ va $c = \log_{1/5} 4$ bo'lsa, a ,
 b va c sonlar uchun quyidagi munosabatlarning
 qaysi biri o'rinli?
A) $b < c < a$ B) $c < a < b$ C) $a < c < b$
 D) $a < b < c$
2280. 3.3-3 file-» 6 - 6 - - (401993)
 $a = \log_{1/3} 4$, $b = \log_{1/4} 3$ va $c = \log_{1/3} 3$ bo'lsa, a ,
 b va c sonlar uchun quyidagi munosabatlarning
 qaysi biri o'rinli?
 A) $c < a < b$ B) $c < b < a$ C) $a < c < b$
 D) $b < a < c$

2281. 3.3-3 file-» 6 - 3 - - (401994)
 $a = \log_{1/2} 3$, $b = \log_{1/4} 3$ va $c = \log_{1/2} 5$ bo'lsa, a , b va c sonlar uchun quyidagi munosabatlarning qaysi biri o'rinni?
 A) $a < b < c$ **B) $c < a < b$** C) $b < c < a$
 D) $b < a < c$
2282. 3.3-3 file-» 22 - 3 - - (401995)
 Agar $\log_4 125 = a$ bo'lsa, $\lg 64$ ni a orqali ifodalang.
 A) $\frac{3}{2}a + 4$ B) $\frac{2}{3}a + 6$ **C) $\frac{18}{2a + 3}$**
 D) $\frac{6}{3a + 2}$
2283. 3.3-3 file-» 6 - 7 - - (401996)
 $a = \log_{36} 108$ bo'lsa, $\log_2 3$ ni a orqali ifodalang.
 A) $\frac{2 + 2a}{2a + 3}$ B) $\frac{2(1 + a)}{2a - 3}$ **C) $\frac{2(1 - a)}{2a - 3}$**
 D) $\frac{2(1 - a)}{2a + 3}$
2284. 3.3-3 file-» 6 - 8 - - (401997)
 $a = \log_6 108$ bo'lsa, $\log_2 3$ ni a orqali ifodalang.
 A) $\frac{a + 2}{3 + a}$ B) $\frac{a - 2}{3 + a}$ C) $\frac{2 - a}{3 + a}$ **D) $\frac{a - 2}{3 - a}$**
2285. 3.3-3 file-» 16 - 2 - - (401998)
 $\frac{\log_9 12}{\log_{36} 3} - \frac{\log_9 4}{\log_{108} 3}$ ni hisoblang.
 A) 3 B) 2 **C) 1** D) 6
2286. 3.3-3 file-» 22 - 17 - - (401999)
 $\frac{\log_2^2 14 + \log_2 14 \cdot \log_2 7 - 2\log_2^2 7}{\log_2 14 \cdot \log_2 7 + 2}$ ni soddallashtiring.
 A) 2 **B) $\log_2 7$** C) $-\log_2 7$ D) 1
2287. 3.3-3 file-» 22 - 18 - - (402000)
 $\frac{2\log_3^2 2 - \log_3^2 18 - \log_3 2 \cdot \log_3 18}{6\log_3 2 + \log_3 81}$ ni soddallashtiring.
A) -1 B) $\frac{1}{2}$ C) -2 D) $-\frac{1}{2}$
2288. 3.3-3 file-» 22 - 19 - - 4 (402001)
 $\frac{\log_5^2 15 - \log_5^2 3 + \log_5 15 + \log_5 3}{\log_5 15 + \log_5 3}$ ifodaning qiymatini ko'rsating.
 A) 1 **B) 2** C) 3 D) 5
2289. 3.3-3 file-» 22 - 20 - - 6 (402002)
 Agar $\log_{0,5} 27 = a$ bo'lsa, $\log_{\sqrt{3}} \sqrt[6]{1,5}$ ning qiymatini toping.
A) $\frac{1}{3} + a^{-1}$ B) $a^2 - 1$ C) $3 + a^{-1}$
 D) $1 + a^{-3}$
2290. 3.3-3 file-» 19 - 4 - - 3 (402003)
 $\log_{\frac{1}{3}}(x - 1) - 2\log_{\frac{1}{9}}(2x - 3) < 0$ tengsizlikni yeching.
A) $\left(\frac{3}{2}; 2\right)$ B) $(-\infty; 2)$ C) $(2; \infty)$
 D) $\left(\frac{3}{2}; \infty\right)$
2291. 3.3-3 file-» 22 - 21 - - 4 (402004)
 Agar $\log_{0,2} 27 = a$ bo'lsa, $\log_{\sqrt{3}} \sqrt[6]{1,8}$ ni a orqali ifodalang.
 A) $a^2 - \frac{2}{3}$
B) $a^{-1} + \frac{2}{3}$
 C) $a^{-3} + 2$
 D) $\sqrt[3]{a} - 2$
2292. 3.3-3 file-» 19 - 8 - - 6 (402005)
 $\log_{\frac{1}{3}} \frac{\sqrt{3}}{7 + 2\sqrt{10}} + \log_{\sqrt{3}} \frac{1}{\sqrt{5} + \sqrt{2}}$ ni hisoblang.
 A) -1 B) -2 C) 2 **D) $-\frac{1}{2}$**
2293. 4.1-1 file-» 22 - 14 - - (36363)
 Ikki qўshni бурчакнинг айирмаси 28° га тенг. Шу бурчаклардан кичигини топинг.
 A) 72° B) 78° C) 82° **D) 76°**
2294. 4.1-1 file-» 22 - 15 - - (36413)
 Қўшни бурчаклардан бири иккинчисидан 52° га катта. Шу бурчаклардан каттасини топинг.
 A) 106° B) 118° **C) 116°** D) 114°
2295. 4.1-1 file-» 23 - 2 - - (36450)
 Қўйидаги мулоҳазалардан қайси бири тўғри?
 A) *Тенг томонли учбурчакнинг баландликлари кесишиш нуқтасида 4:3 нисбатда бўлинади.*
B) Иккита тўғри бурчакли учбурчакнинг гипотенузлари ва биттадан ўткир бурчаклари бир-бирига тенг бўлса, бундай учбурчаклар тенгдир.
 C) *Иккита параллель тўғри чизиқни учинчи тўғри чизиқ билан кесганда ҳосил бўлган ички бир томонли бурчаклар йиғиндиси 180° дан кичик.*
 D) *Иккитадан томони, биттадан бурчаги ўзаро тенг бўлган учбурчаклар тенгдир.*

2296. 4.1-1 file-» 23 - 2 - - (36454)
Айлананинг АВ ватари ўзи ажратган ёйлардан бирининг ихтиёрий нуқтасидан 40° ли бурчак остида кўринади. А ва В нуқта чегараси бўлган ёйлар неча градус?
А) 160° ва 200° В) 80° ва 280°
С) 100° ва 260° Д) 110° ва 250°
2297. 4.1-1 file-» 23 - 3 - - (36510)
Қуйидаги мулоҳазалардан қайси бири нотўғри?
А) *Тенг томонли учбурчакнинг баландликлари учидан бошлаб ҳисобланганда кесишиш нуқтасида 2:1 нисбатда бўлинади.*
В) *Агар иккита тенг ёнли учбурчакнинг асослари ва асосларидаги бурчаклари тенг бўлса, бундай учбурчаклар тенгдир.*
С) *Қавариқ бешбурчак ички бурчакларининг йиғиндиси 540° га тенг.*
Д) **Агар бир учбурчакнинг бир томони ва шу томон қаршисидаги бурчаги, иккинчи учбурчакнинг бир томони ва шу томон қаршисидаги бурчагига мос равишда тенг бўлса, бу учбурчаклар тенгдир.**
2298. 4.1-1 file-» 23 - 3 - - (36514)
Айлананинг MN ватари 120° ли ёйни тортиб туради. MN ватар ўзи тортиб турган кичик ёйнинг ихтиёрий нуқтасидан қандай бурчак остида кўринади?
А) 270° В) 120° С) 100° Д) 110°
2299. 4.1-1 file-» 23 - 4 - - (36572)
 130° ли ёйга тиралган ватар айланани икки қисмга ажратади. Катта ёйнинг ихтиёрий нуқтасидан қараганда, бу ватар қандай бурчак остида кўринади?
А) 65° В) 115° С) 120° Д) 70°
2300. 4.1-1 file-» 28 - 2 - - (36712)
Қўшни бурчаклардан бири иккинчисидан беш марта кичик бўлса, шу бурчаклардан каттасини топинг.
А) 150° В) 130° С) 140° Д) 144°
2301. 4.1-1 file-» 13 - 4 - - (56659)
Икки тўғри чизиқнинг кесишишидан ҳосил бўлган бурчакларнинг бири 40° га тенг. Қолган бурчакларни топинг.
А) 150° , 150° , 30° В) 110° , 110° , 110°
С) 60° , 60° , 30° Д) 140° , 140° , 40°
2302. 4.1-1 file-» 5 - 13 - - 9 (115015)
Айлананинг кесишувчи икки ватари орасидаги бурчаклардан бири 100° га тенг. Шу бурчакка қўшни бўлган бурчакларнинг йиғиндисини топинг.
А) 100° В) 90° С) 200° Д) 160°
2303. 4.1-1 file-» 22 - 14 - - (315416)
Ikki qo'shni burchakning ayirmasi 28° ga teng. Shu burchaklardan kichigini toping.
А) 72° В) 78° С) 82° Д) 76°
2304. 4.1-1 file-» 22 - 15 - - (315417)
Qo'shni burchaklardan biri ikkinchisidan 52° ga katta. Shu burchaklardan kattasini toping.
А) 106° В) 118° С) 116° Д) 114°
2305. 4.1-1 file-» 23 - 2 - - (315418)
Quyidagi mulohazalardan qaysi biri to'g'ri?
А) *Teng tomonli uchburchakning balandliklari kesishish nuqtasida 4:3 nisbatda bo'linadi.*
В) **Ikki to'g'ri burchakli uchburchakning gipotenuzalari va bittadan o'tkir burchaklari bir- biriga teng bo'lsa, bunday uchburchaklar tengdir.**
С) *Ikki parallel to'g'ri chiziqni uchinchi to'g'ri chiziq bilan kesganda hosil bo'lgan ichki bir tomonli burchaklar yig'indisi 180° dan kichik.*
Д) *Ikkitadan tomoni, bittadan burchagi o'zaro teng bo'lgan uchburchaklar tengdir.*
2306. 4.1-1 file-» 23 - 2 - - (315419)
Aylananiing AB vatari o'zi ajratgan yoylardan birining ixtiyoriy nuqtasidan 40° li burchak ostida ko'rinadi. A va B nuqta chegarasi bo'lgan yoylar necha gradus?
А) 160° ва 200° В) 80° ва 280°
С) 100° ва 260° Д) 110° ва 250°
2307. 4.1-1 file-» 23 - 3 - - (315420)
Quyidagi mulohazalardan qaysi biri noto'g'ri?
А) *Teng tomonli uchburchakning balandliklari uchidan boshlab hisoblanganda kesishish nuqtasida 2:1 nisbatda bo'linadi.*
В) *Agar ikkita teng yonli uchburchakning asoslari va asoslaridagi burchaklari teng bo'lsa, bunday uchburchaklar tengdir.*
С) *Qavariq beshburchak ichki burchaklarining yig'indisi 540° ga teng.*
Д) **Agar bir uchburchakning bir tomoni va shu tomon qarshisidagi burchagi, ikkinchi uchburchakning bir tomoni va shu tomon qarshisidagi burchagiga mos ravishda teng bo'lsa, bu uchburchaklar tengdir.**
2308. 4.1-1 file-» 23 - 3 - - (315421)
Aylananiing MN vatari 120° li yoyni tortib turadi. MN vatar o'zi tortib turgan kichik yoyniing ixtiyoriy nuqtasidan qanday burchak ostida ko'rinadi?
А) 270° В) 120° С) 100° Д) 110°

2309. 4.1-1 file-» 23 - 4 - - (315422)
 130° li yoyga tiralgan vatar aylanani ikki qismga ajratadi. Katta yoyning ixtiyoriy nuqtasidan qaraganda, bu vatar qanday burchak ostida ko'rinadi?
 A) 65° B) 115° C) 120° D) 70°

2310. 4.1-1 file-» 28 - 2 - - (315423)
 Qo'shni burchaklardan biri ikkinchisidan besh marta kichik bo'lsa, shu burchaklardan kattasini toping.
 A) 150° B) 130° C) 140° D) 144°

2311. 4.1-1 file-» 13 - 4 - - (315424)
 Ikki to'g'ri chiziqning kesishishidan hosil bo'lgan burchaklarning biri 40° ga teng. Qolgan burchaklarni toping.
 A) 150°, 150°, 30° B) 110°, 110°, 110°
 C) 60°, 60°, 30° D) 140°, 140°, 40°

2312. 4.1-1 file-» 5 - 13 - - 9 (315425)
 Aylananing kesishuvchi ikki vatari orasidagi burchaklardan biri 100° ga teng. Shu burchakka qo'shni bo'lgan burchaklarning yig'indisini toping.
 A) 100° B) 90° C) 200° D) 160°

2313. 4.1-1 file-» 22 - 13 - - (402006)
 Uchburchak burchaklarining kattaliklari nisbati 2:3:1 kabi, kichik tomonining uzunligi esa 20 ga teng. Uchburchakning katta tomoni uzunligini toping.
 A) 30 B) 50 C) 20 D) 40

2314. 4.1-1 file-» 22 - 13 - - (402007)
 Teng yonli uchburchakning uchidagi burchagi 30° ga, asosiga tushirilgan balandligi 6 ga teng. Uchburchakning yon tomoniga tushirilgan balandligini aniqlang.
 A) $12\sin 15^\circ$ B) $6\cos 15^\circ$ C) $6\sqrt{3}$
 D) $2\sqrt{3}$

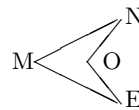
2315. 4.1-1 file-» 22 - 14 - - (402008)
 Uchburchak burchaklarining kattaliklari nisbati 1:1:2 kabi, katta tomonining uzunligi esa 12 ga teng. Uchburchakning katta tomoniga tushirilgan balandligini toping.
 A) $4\sqrt{2}$ B) 6 C) 8 D) 4

2316. 4.1-1 file-» 22 - 14 - - (402009)
 Teng yonli uchburchakning uchidagi burchagi 60° ga, yon tomoniga tushirilgan balandligi 9 ga teng. Uchburchakning asosini toping.
 A) 6 B) $6\sqrt{3}$ C) $\frac{9\sqrt{3}}{2}$ D) $3\sqrt{3}$

2317. 4.1-1 file-» 22 - 15 - - (402010)
 Teng yonli uchburchakning yon tomoni 60 ga teng. Asosiga tushirilgan balandligi asosidan 60 ga kam. Shu uchburchakning asosini toping.
 A) 80 B) 60 C) 96 D) 90

2318. 4.1-1 file-» 22 - 15 - - (402011)
 Teng yonli uchburchakning asosi 12 ga, uchidagi burchagi 60° ga teng. Uchburchakning yon tomoniga tushirilgan balandligini toping.
 A) 6 B) $8\sqrt{3}$ C) 9 D) $6\sqrt{3}$

2319. 4.1-1 file-» 16 - 1 - - (402012)
 $\angle MNO=35^\circ$; $\angle MEO=30^\circ$; $\angle NOE=?$



A) 105° B) 120° C) 130° D) 135°

2320. 4.1-1 file-» 16 - 2 - - (402013)
 Shaklda $AB=AC$ va $\angle BMC=40^\circ$ bo'lsa, $\angle ANB$ necha gradusga teng?

A) 50° B) 60° C) 70° D) 80°

2321. 4.1-1 file-» 22 - 17 - - (402014)
 Ikki parallel to'g'ri chiziqni uchinchi to'g'ri chiziq kesib o'tganda, hosil bo'lgan ichki bir tomonli burchaklardan biri ikkinchisidan 100° kichik. Shu burchaklardan kattasini toping.
 A) 120° B) 110° C) 140° D) 130°

2322. 4.1-1 file-» 23 - 5 - - (402015)
 Radiusi 15 ga teng aylananing markazidan 12 ga teng masofada joylashgan nuqta orqali diametr va unga perpedikulyar vatar o'tkazilgan. Shu vatarining uzunligini toping.
 A) 24 B) 18 C) 21 D) 27

2323. 4.1-1 file-» 22 - 19 - - 4 (402016)
 Teng yonli to'g'ri burchakli uchburchakning gipotenuzasi 36 ga teng. Unga to'g'ri to'rtburchak shunday ichki chizilganki, to'g'ri to'rtburchakning katta tomoni uchburchakning gipotenuzasida, qolgan ikki uchi esa katetlarida yotadi. Agar to'g'ri to'rtburchak tomonlarining nisbati 5:2 kabi bo'lsa, uning perimetrini toping.
 A) 40 B) 54 C) 56 D) 72

2324. 4.1-1 file-» 23 - 17 - - 7 (402017)
 ABC uchburchakning C uchidagi tashqi burchagi 90° ga teng. Agar $CA = 15$ va $CB = 20$ bo'lsa, AB tomonga tushirilgan CD mediananing uzunligini toping.
 A) 25 B) 6,5 C) 10 **D) 12,5**
2325. 4.1-1 file-» 2 - 6 - - (402018)
 Ichki burchagi 135° va tomonining uzunligi 6 ga teng muntazam ko'pburchakning perimetri nechaga teng bo'ladi?
 A) 60 B) 36 C) 32 **D) 48**
2326. 4.1-1 file-» 32 - 1 - - (402019)
 Bissektrisasi 12 ga teng muntazam uchburchakka tashqi chizilgan aylananing radiusini toping.
A) 8 B) 9 C) $8\sqrt{3}$ D) 6
2327. 4.1-1 file-» 32 - 1 - - (402020)
 Uchburchakning tomonlari 6; 9 va 12 ga teng. Uchburchakning katta tomoniga tushirilgan bissektrisasi shu tomondan ajratgan kesmalardan kattasining uzunligini toping.
 A) 7,6 B) 8 **C) 7,2** D) 6,8
2328. 4.1-1 file-» 23 - 2 - - (402021)
 Rombning kichik diagonali va tomoni $16\sqrt{3}$ ga teng. Rombga ichki chizilgan aylananing radiusini toping.
 A) 13,5 **B) 12** C) $8\sqrt{3}$ D) $12\sqrt{3}$
2329. 4.1-1 file-» 6 - 7 - - (402022)
 To'g'ri burchakli uchburchak katetlarining gipotenuzasidagi proyeksiyalari 36 va 64 ga teng. Uchburchakka ichki chizilgan aylananing radiusi qancha?
 A) 15 B) 40 C) 60 **D) 20**
2330. 4.1-1 file-» 6 - 7 - - (402023)
 Uchlari $A(0; 0)$, $B(4; 3)$ va $C(1; 7)$ nuqtalarda bo'lgan uchburchakning A burchagini toping.
 A) $\arccos 0,9$ **B) $\frac{\pi}{4}$** C) $\frac{\pi}{3}$
 D) $\arccos 0,96$
2331. 4.1-1 file-» 6 - 8 - - (402024)
 To'g'ri burchakli uchburchakning katetlaridan biri 8 sm, uning gipotenuzadagi proyeksiyasi esa 4 sm. Uchburchakka tashqi chizilgan aylananing radiusi necha sm?
 A) 4 B) 5 C) 6 **D) 8**
2332. 4.1-1 file-» 6 - 8 - - (402025)
 Uchlari $A(0; 0)$, $B(3; 4)$ va $C(-9; 12)$ nuqtalarda bo'lgan uchburchakning A burchagini toping.
 A) $\arccos 0,96$ B) $\arccos 0,92$ C) $\frac{\pi}{24}$
D) $\arccos 0,28$
2333. 4.1-1 file-» 13 - 4 - - (402026)
 Rombning tomoni unga ichki chizilgan aylananing urinish nuqtasida 2 va 32 ga teng kesmalarga bo'linadi. Ichki chizilgan aylananing radiusini toping.
A) 8 B) 10 C) 12 D) 6
2334. 4.1-1 file-» 22 - 17 - - (402027)
 To'g'ri burchakli uchburchakning gipotenuzasi 25 ga, katetlaridan biri 15 ga teng. Ikkinchi katetning gipotenuzadagi proyeksiyasini toping.
 A) 14 **B) 16** C) 18 D) 20,4
2335. 4.1-1 file-» 22 - 17 - - (402028)
 Uchburchakning asosi $8\sqrt{6}$ ga, yon tomonlari 13 va 19 ga teng. Asosiga tushirilgan medianasini toping.
 A) 18 B) 12 C) 16 **D) 13**
2336. 4.1-1 file-» 22 - 18 - - (402029)
 To'g'ri burchakli uchburchakning katetlari 20 va 15 ga teng. Kichik katetning gipotenuzadagi proyeksiyasini toping.
 A) 6 **B) 9** C) 8 D) 12
2337. 4.1-1 file-» 22 - 18 - - (402030)
 Uchburchakning tomonlari 11 va 23 ga, uchinchi tomoniga tushirilgan medianasi $2\sqrt{39}$ ga teng. Uchburchakning uchinchi tomonini toping.
 A) 30 **B) 26** C) 25 D) 28
2338. 4.1-1 file-» 19 - 3 - - 9 (402031)
 ABC uchburchakning bissektrisasi AC tomonni 28 va 12 ga teng bo'lgan kesmalarga ajratadi. Agar $AB - BC = 20$ bo'lsa, berilgan uchburchakning perimetrini toping.
A) 90 B) 80 C) 85 D) 72
2339. 4.1-1 file-» 19 - 3 - - 9 (402032)
 Teng yonli uchburchakka ichki chizilgan aylananing markazi uning asosiga tushirilgan balandligini, uchidan boshlab hisoblaganda, 15 va 9 ga teng kesmalarga ajratadi. Uchburchakning asosini toping.
 A) 45 B) 9 **C) 36** D) 14
2340. 4.1-1 file-» 2 - 5 - - 5 (402033)
 To'g'ri burchakli uchburchakning tomonlari 24; 32 va 40 bo'lsa, unga ichki va tashqi chizilgan aylanalar markazlari orasidagi masofani toping.
A) $4\sqrt{5}$ B) $4\sqrt{6}$ C) $5\sqrt{2}$ D) 4
2341. 4.1-1 file-» 23 - 22 - - 1 (402034)
 Tomonlari 11, 12 va $\sqrt{386}$ ga teng bo'lgan uchburchakning katta tomoniga tushirilgan medianasi uzunligini toping.
 A) 10 **B) 6** C) 8,5 D) 8

2342. 4.1-1 file-» 2 - 43 - - 8 (402035)
 ABC uchburchakning A burchagi bissektrisasi BC tomonni uzunliklari 12 va 9 bo'lgan ikki kesmaga ajratadi. Agar $AC - AB = 9$ bo'lsa, ABC uchburchakning perimetrini toping.
A) 84 B) 52 C) 46 D) 63
2343. 4.1-2 file-» 22 - 3 - - 3 (719511)
 Katta yon tomoni 6 sm, o'tkir burchagi 30° bo'lgan to'g'ri burchakli trapetsiyaga aylana ichki chizilgan. Shu aylananing uzunligini toping.
 A) 2π B) π C) 4π **D) 3π**
2344. 4.1-2 file-» 22 - 4 - - 3 (719512)
 Uzunligi $\frac{\pi}{4}$ ga teng aylana o'tkir burchagi 30° bo'lgan rombga ichki chizilgan. Rombning perimetrini toping.
A) 2 B) 16 C) 8 D) 4
2345. 4.1-2 file-» 5 - 7 - - 3 (719513)
 $A(-6; 1)$ aylanadagi nuqta, $C(6; 10)$ nuqta aylananing markazi bo'lsa, aylaning radiusini toping.
 A) 14 B) 13 C) 16 **D) 15**
2346. 4.1-2 file-» 22 - 11 - - 3 (719514)
 Uchburchakning asosiga tushirilgan medianasi uni perimetrlari 18 va 24 ga teng bo'lgan ikki uchburchakka ajratadi. Berilgan uchburchakning kichik yon tomoni 7 ga teng. Uning katta yon tomonini toping.
 A) 10 B) 12 C) 14 **D) 13**
2347. 4.1-2 file-» 22 - 12 - - 3 (719515)
 Uchburchakning 7 ga teng bo'lgan balandligi uni perimetrlari 18 va 26 bo'lgan ikkita uchburchakka ajratadi. Berilgan uchburchakning perimetrini toping.
A) 30 B) 31 C) 34 D) 36
2348. 4.1-2 file-» 22 - 13 - - 3 (719516)
 Teng yonli uchburchakning uchidagi burchagi 106° . Asosidagi burchaklarning bissektrisalari kesishishidan hosil bo'lgan o'tkir burchakni toping.
A) 37° B) 43° C) 48° D) 47°
2349. 4.1-2 file-» 22 - 14 - - 3 (719518)
 Teng yonli uchburchakning yon tomoniga tushirilgan balandligi bilan ikkinchi yon tomoni orasidagi burchak 26° ga teng. Teng yonli uchburchakning asosidagi burchagini toping.
 A) 50° B) 48° C) 55° **D) 58°**
2350. 4.1-2 file-» 22 - 14 - - 1 (719519)
 Teng yonli uchburchakning balandligi 20 ga teng. Yon tomoni asosidan 5 ga kam. Shu uchburchakning asosini toping.
 A) 20 B) 40 **C) 30** D) 24
2351. 4.1-2 file-» 51 - 1 - - (719520)
 ABC uchburchakning perimetri 36 ga teng. A burchagining bissektrisasi BC tomonini 5 va 4 ga teng bo'laklarga bo'ladi. Uchburchak katta tomonining uzunligini toping.
A) 15 B) 16 C) 17 D) 14
2352. 4.1-2 file-» 51 - 2 - - (719521)
 Teng yonli uchburchakning perimetri 20 ga, asosiga parallel o'rta chizig'i 4 ga teng. Uning yon tomonining asosiga nisbatini toping.
A) $\frac{3}{4}$ B) $\frac{1}{2}$ C) $\frac{4}{3}$ D) 2
2353. 4.1-3 file-» 50 - 122 - - (704514)
 Uchburchakning 25 ga teng balandligi uning asosi uzunligini 7 : 25 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.
A) 20 B) 22,5 C) 19 D) 13
2354. 4.1-3 file-» 50 - 122 - - (704515)
 Uchburchakning 5 ga teng balandligi uning asosi uzunligini 7 : 25 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.
 A) 3 **B) 4** C) 4,5 D) 3
2355. 4.1-3 file-» 50 - 122 - - (704516)
 Uchburchakning 6 ga teng balandligi uning asosi uzunligini 7 : 18 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.
 A) 4 B) 3,5 **C) 5** D) 5,5
2356. 4.1-3 file-» 50 - 122 - - (704517)
 Uchburchakning 10 ga teng balandligi uning asosi uzunligini 7 : 25 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.
 A) 9 B) 7 C) 5,5 **D) 8**
2357. 4.1-3 file-» 50 - 122 - - (704518)
 Uchburchakning 20 ga teng balandligi uning asosi uzunligini 1 : 8 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.
A) 15 B) 17,5 C) 14 D) 10,5

2358. 4.1-3 file-» 50 - 122 - - (704519)
 Uchburchakning 15 ga teng balandligi uning asosi uzunligini 7 : 25 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.
 A) 8 **B) 12** C) 13,5 D) 11
2359. 4.1-3 file-» 50 - 122 - - (704520)
 Uchburchakning 12 ga teng balandligi uning asosi uzunligini 1 : 8 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.
 A) 8 B) 6,5 **C) 9** D) 10,5
2360. 4.1-3 file-» 50 - 122 - - (704521)
 Uchburchakning 20 ga teng balandligi uning asosi uzunligini 7 : 25 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.
 A) 18 B) 15 C) 10,5 **D) 16**
2361. 4.1-3 file-» 50 - 122 - - (704522)
 Uchburchakning 16 ga teng balandligi uning asosi uzunligini 1 : 8 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.
A) 12 B) 14 C) 11 D) 8,5
2362. 4.1-3 file-» 50 - 122 - - (704523)
 Uchburchakning 4 ga teng balandligi uning asosi uzunligini 1 : 8 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.
 A) 2,5 **B) 3** C) 3,5 D) 2
2363. 4.1-3 file-» 50 - 122 - - (704524)
 Uchburchakning 24 ga teng balandligi uning asosi uzunligini 1 : 8 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.
 A) 17 B) 12,5 **C) 18** D) 21
2364. 4.1-3 file-» 50 - 122 - - (704525)
 Uchburchakning 18 ga teng balandligi uning asosi uzunligini 7 : 18 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.
 A) 16,5 B) 14 C) 9,5 **D) 15**
2365. 4.1-3 file-» 50 - 122 - - (704526)
 Uchburchakning 8 ga teng balandligi uning asosi uzunligini 1 : 8 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.
A) 6 B) 7 C) 5 D) 4,5
2366. 4.1-3 file-» 50 - 122 - - (704527)
 Uchburchakning 24 ga teng balandligi uning asosi uzunligini 7 : 18 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.
 A) 12,5 **B) 20** C) 22 D) 19
2367. 4.1-3 file-» 50 - 122 - - (704528)
 Uchburchakning 12 ga teng balandligi uning asosi uzunligini 7 : 18 nisbatda bo'ladi. Shu balandlikka parallel va uchburchakning yuzini teng ikkiga bo'ladigan to'g'ri chiziq kesmasining uzunligini toping.
 A) 9 B) 6,5 **C) 10** D) 11
2368. 4.1-3 file-» 50 - 122 - - (704529)
 To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 4 : 5 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.
 A) $\frac{3}{5}$ **B) $\frac{1}{2}$** C) $\frac{2}{3}$ D) $\frac{1}{3}$
2369. 4.1-3 file-» 50 - 122 - - (704530)
 To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 5 : 13 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.
 A) $\frac{1}{6}$ B) $\frac{3}{8}$ **C) $\frac{1}{5}$** D) $\frac{1}{3}$
2370. 4.1-3 file-» 50 - 122 - - (704531)
 To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 6 : 10 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.
 A) $\frac{1}{2}$ B) $\frac{1}{4}$ C) $\frac{1}{5}$ **D) $\frac{1}{3}$**
2371. 4.1-3 file-» 50 - 122 - - (704532)
 To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 7 : 25 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.
A) $\frac{1}{7}$ B) $\frac{1}{4}$ C) $\frac{1}{8}$ D) $\frac{3}{10}$

2372. 4.1-3 file-» 50 - 122 - - (704533)
 To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 8 : 10 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.
 A) $\frac{3}{5}$ B) $\frac{1}{2}$ C) $\frac{2}{3}$ D) $\frac{1}{3}$
2373. 4.1-3 file-» 50 - 122 - - (704534)
 To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 8 : 17 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.
 A) $\frac{1}{5}$ B) $\frac{3}{7}$ C) $\frac{1}{4}$ D) $\frac{2}{5}$
2374. 4.1-3 file-» 50 - 122 - - (704535)
 To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 9 : 15 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.
 A) $\frac{1}{2}$ B) $\frac{1}{4}$ C) $\frac{1}{5}$ D) $\frac{1}{3}$
2375. 4.1-3 file-» 50 - 122 - - (704536)
 To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 9 : 41 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.
 A) $\frac{1}{9}$ B) $\frac{1}{5}$ C) $\frac{1}{10}$ D) $\frac{1}{4}$
2376. 4.1-3 file-» 50 - 122 - - (704537)
 To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 10 : 26 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.
 A) $\frac{3}{8}$ B) $\frac{1}{5}$ C) $\frac{1}{3}$ D) $\frac{1}{6}$
2377. 4.1-3 file-» 50 - 122 - - (704538)
 To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 12 : 13 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.
 A) $\frac{1}{2}$ B) $\frac{1}{5}$ C) $\frac{2}{3}$ D) $\frac{3}{4}$
2378. 4.1-3 file-» 50 - 122 - - (704539)
 To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 12 : 15 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.
 A) $\frac{2}{3}$ B) $\frac{1}{3}$ C) $\frac{3}{5}$ D) $\frac{1}{2}$

2379. 4.1-3 file-» 50 - 122 - - (704540)
 To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 12 : 20 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.
 A) $\frac{1}{3}$ B) $\frac{1}{2}$ C) $\frac{1}{4}$ D) $\frac{1}{5}$
2380. 4.1-3 file-» 50 - 122 - - (704541)
 To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 12 : 37 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.
 A) $\frac{1}{3}$ B) $\frac{1}{6}$ C) $\frac{2}{7}$ D) $\frac{1}{7}$
2381. 4.1-3 file-» 50 - 122 - - (704542)
 To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 14 : 50 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.
 A) $\frac{1}{8}$ B) $\frac{3}{10}$ C) $\frac{1}{7}$ D) $\frac{1}{4}$
2382. 4.1-3 file-» 50 - 122 - - (704543)
 To'g'ri burchakli uchburchakning to'g'ri burchagi uchidan tushirilgan balandlik va mediananing nisbati 15 : 17 kabi. Shu uchburchak kichik katetining katta katetiga nisbatini toping.
 A) $\frac{2}{3}$ B) $\frac{1}{2}$ C) $\frac{5}{8}$ D) $\frac{3}{5}$
2383. 4.1-3 file-» 51 - 1 - - (719522)
 Uchburchakning ikki tomoni 7 va 17 ga teng. Shu uchburchakning uchinchi tomoni nechta har xil butun qiymatlarni qabul qilishi mumkin?
 A) 12 B) 13 C) 17 D) 14
2384. 4.1-3 file-» 51 - 1 - - (719523)
 To'g'ri burchakli uchburchakning katetlari 4 va 6 ga teng. Uning to'g'ri burchagi bissektrisasi uzunligini toping.
 A) $2\sqrt{2}$ B) $\frac{12\sqrt{2}}{5}$ C) $3\sqrt{2}$ D) $\frac{5\sqrt{2}}{12}$
2385. 4.1-3 file-» 51 - 2 - - (719524)
 Uchburchakning ikki tomoni uzunliklari 6 va 8 sm. Uchinchi tomoni uzunligi butun son bo'lsa, shunday uchburchaklar nechta?
 A) 11 B) 13 C) 12 D) 8
2386. 4.1-3 file-» 58 - 1 - - (719525)
 Teng yonli uchburchakning asosi 24 ga, yon tomoni 15 ga teng. Unga ichki chizilgan va tashqi chizilgan aylana radiuslarining ko'paytmasini toping.
 A) 25 B) 48 C) 100 D) 50

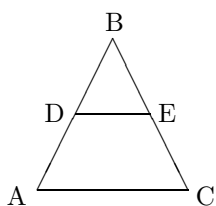
2387. 4.1-3 file-» 50 - 129 - - (719526)
To'g'ri burchakli uchburchakka ichki va tashqi chizilgan aylanalarning radiuslari mos ravishda 4 va 13 ga teng. Berilgan uchburchakning perimetrini toping.
A) 60 B) 34 C) 45 D) 68
2388. 4.1-3 file-» 50 - 129 - - (719527)
To'g'ri burchakli uchburchakka ichki va tashqi chizilgan aylanalarning radiuslari mos ravishda 6 va 25 ga teng. Berilgan uchburchakning perimetrini toping.
A) 124 B) 112 C) 62 D) 84
2389. 4.1-3 file-» 50 - 129 - - (719528)
To'g'ri burchakli uchburchakka ichki va tashqi chizilgan aylanalarning radiuslari mos ravishda 6 va 17 ga teng. Berilgan uchburchakning perimetrini toping.
A) 60 B) 92 C) 80 D) 46
2390. 4.1-3 file-» 50 - 129 - - (719529)
To'g'ri burchakli uchburchakka ichki va tashqi chizilgan aylanalarning radiuslari mos ravishda 10 va 61 ga teng. Berilgan uchburchakning perimetrini toping.
A) 142 B) 198 C) 284 D) 264
2391. 4.1-3 file-» 50 - 129 - - (719530)
To'g'ri burchakli uchburchakka ichki va tashqi chizilgan aylanalarning radiuslari mos ravishda 10 va 37 ga teng. Berilgan uchburchakning perimetrini toping.
A) 168 B) 94 C) 126 D) 188
2392. 4.1-3 file-» 50 - 129 - - (719531)
To'g'ri burchakli uchburchakka ichki va tashqi chizilgan aylanalarning radiuslari mos ravishda 14 va 65 ga teng. Berilgan uchburchakning perimetrini toping.
A) 316 B) 288 C) 158 D) 216
2393. 4.1-3 file-» 50 - 129 - - (719532)
To'g'ri burchakli uchburchakka ichki va tashqi chizilgan aylanalarning radiuslari mos ravishda 12 va 29 ga teng. Berilgan uchburchakning perimetrini toping.
A) 105 B) 164 C) 140 D) 82
2394. 4.1-3 file-» 50 - 129 - - (719533)
To'g'ri burchakli uchburchakka ichki va tashqi chizilgan aylanalarning radiuslari mos ravishda 20 va 53 ga teng. Berilgan uchburchakning perimetrini toping.
A) 146 B) 189 C) 292 D) 252
2395. 4.1-3 file-» 50 - 129 - - (719534)
Radiusi 3 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 60 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.
A) 10 B) 14 C) 20 D) 18
2396. 4.1-3 file-» 50 - 129 - - (719535)
Radiusi 4 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 80 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.
A) 16 B) 10 C) 14 D) 20
2397. 4.1-3 file-» 50 - 129 - - (719536)
Radiusi 6 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 180 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.
A) 30 B) 24 C) 15 D) 21
2398. 4.1-3 file-» 50 - 129 - - (719537)
Radiusi 6 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 240 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.
A) 28 B) 40 C) 36 D) 20
2399. 4.1-3 file-» 50 - 129 - - (719538)
Radiusi 8 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 320 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.
A) 20 B) 28 C) 40 D) 32
2400. 4.1-3 file-» 50 - 129 - - (719539)
Radiusi 10 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 500 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.
A) 40 B) 25 C) 35 D) 50
2401. 4.1-3 file-» 50 - 129 - - (719540)
Radiusi 12 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 600 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.
A) 50 B) 32 C) 25 D) 31
2402. 4.1-3 file-» 50 - 129 - - (719541)
Radiusi 5 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 260 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.
A) 34 B) 52 C) 50 D) 26
2403. 4.1-3 file-» 50 - 129 - - (719542)
Radiusi 12 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 624 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.
A) 26 B) 34 C) 52 D) 36
2404. 4.1-3 file-» 50 - 129 - - (719543)
Radiusi 10 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 580 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.
A) 50 B) 29 C) 41 D) 58

2405. 4.1-3 file-» 50 - 129 - - (719544)
Radiusi 9 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 540 ga teng. Shu trapetsiyaning katta asosi uzunligini toping.
A) 60 **B) 54** C) 30 D) 42
2406. 4.1-3 file-» 50 - 129 - - (719545)
Radiusi 3 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 60 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.
A) 8 B) 9 **C) 2** D) 5
2407. 4.1-3 file-» 50 - 129 - - (719546)
Radiusi 4 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 80 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.
A) 5 B) 6 C) 8 **D) 4**
2408. 4.1-3 file-» 50 - 129 - - (719547)
Radiusi 6 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 180 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.
A) 6 B) $\frac{15}{2}$ C) 9 D) 12
2409. 4.1-3 file-» 50 - 129 - - (719548)
Radiusi 6 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 240 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.
A) 18 **B) 4** C) 10 D) 16
2410. 4.1-3 file-» 50 - 129 - - (719549)
Radiusi 8 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 320 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.
A) 12 B) 16 **C) 8** D) 10
2411. 4.1-3 file-» 50 - 129 - - (719550)
Radiusi 10 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 500 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.
A) $\frac{25}{2}$ B) 15 C) 20 **D) 10**
2412. 4.1-3 file-» 50 - 129 - - (719551)
Radiusi 12 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 600 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.
A) 18 B) $\frac{25}{2}$ C) 7 D) 16
2413. 4.1-3 file-» 50 - 129 - - (719552)
Radiusi 5 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 260 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.
A) 25 **B) 2** C) 13 D) 24
2414. 4.1-3 file-» 50 - 129 - - (719553)
Radiusi 12 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 624 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.
A) 10 B) 18 **C) 16** D) 13
2415. 4.1-3 file-» 50 - 129 - - (719554)
Radiusi 10 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 580 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.
A) $\frac{29}{2}$ B) 21 C) 25 **D) 8**
2416. 4.1-3 file-» 50 - 129 - - (719555)
Radiusi 9 ga teng aylanaga tashqi chizilgan trapetsiyaning yuzi 540 ga teng. Shu trapetsiyaning kichik asosi uzunligini toping.
A) 6 B) 15 C) 24 D) 27
2417. 4.2-2 file-» 22 - 2 - - (14248)
Тўғри бурчакли учбурчакнинг гипотенузаси 75 см, катетлари эса ўзаро 7:24 нисбатда. Шу учбурчакнинг катта катетини топинг.
A) 63 B) 36 **C) 72** D) 42
2418. 4.2-2 file-» 22 - 3 - - (14307)
Тўғри бурчакли учбурчак катетларидан бири 12 см, гипотенузаси эса иккинчи катетдан 4 см узун. Гипотенузанинг узунлигини топинг.
A) 20 B) 22 C) 16 D) 18
2419. 4.2-2 file-» 22 - 4 - - (14366)
Тўғри бурчакли учбурчак катетларидан бири 15 см, иккинчиси эса гипотенузадан 3 см қисқа. Шу учбурчак гипотенузасини топинг.
A) 36 B) 20 C) 25 **D) 39**
2420. 4.2-2 file-» 5 - 10 - - (36095)
Тенг ёнли учбурчакнинг асоси 40 га, унга туширилган баландлиги 21 га тенг. Учбурчакнинг ён томонини топинг.
A) 29 B) 27 C) 31 D) 19
2421. 4.2-2 file-» 5 - 10 - - (36099)
Тўғри бурчакли учбурчакнинг бир катети $4\sqrt{3}$ га, бу катет қаршисидаги бурчак 60° га тенг. Иккинчи катетни топинг.
A) $2\sqrt{3}$ **B) 4** C) $\frac{4\sqrt{3}}{3}$ D) $\sqrt{2}$
2422. 4.2-2 file-» 5 - 7 - - (36152)
Тенг ёнли учбурчакнинг баландлиги 7 га, асоси 48 га тенг. Унинг ён томонини топинг.
A) 45 B) 31 **C) 25** D) 55

2423. 4.2-2 file-» 5 - 7 - - (36156)
 Тўғри бурчакли учбурчакнинг катети $6\sqrt{3}$ га, бу катет қаршисидаги бурчак 60° га тенг. Шу учбурчакнинг гипотенузасини топинг.
A) 12 B) $4\sqrt{3}$ C) $6\sqrt{3}$ D) $3\sqrt{3}$

2424. 4.2-2 file-» 12 - 1 - - (56554)
 Учбурчакнинг томонлари 4; 5 ва 6 га тенг. 5 га тенг бўлган томон қаршисидаги бурчакнинг косинусини топинг.
 A) $\frac{7}{16}$ **B) $\frac{9}{16}$** C) $\frac{7}{8}$ D) $\frac{1}{8}$

2425. 4.2-2 file-» 12 - 1 - - (56556)
 Чизмада $\angle DEB=60^\circ$, $BE=6$ ва $DE=4$ (учбурчакнинг ўрта чизиғи) бўлса, AB ни топинг.



- A) $3\sqrt{7}$ B) $5\sqrt{7}$ **C) $4\sqrt{7}$** D) 7

2426. 4.2-2 file-» 13 - 1 - - 1 (64219)
 $\triangle ABC$ да $\angle B = 90^\circ$, $\angle C = 60^\circ$. BB_1 баландлик 3 га тенг. AB ни топинг.
A) 6 B) 12 C) $6\sqrt{3}$ D) $6\sqrt{2}$

2427. 4.2-2 file-» 12 - 2 - - 7 (71844)
 ABC учбурчакда $AB = 3$, $CB = 4$ ва $\cos B = -\frac{11}{24}$ бўлса, AC нинг қийматини топинг.
 A) 2 **B) 6** C) 3 D) 4

2428. 4.2-2 file-» 35 - 1 - - 1 (121861)
 Бир бурчаги 150° бўлган учбурчакка ташқи чизилган айлананинг радиуси 2 га тенг. Учбурчак катта томонининг узунлигини топинг.
 A) 1 **B) 2** C) 3 D) 4

2429. 4.2-2 file-» 35 - 1 - - 1 (121862)
 ABC учбурчакнинг A бурчаги 45° га, BC томони $3\sqrt{2}$ га тенг. Шу учбурчакка ташқи чизилган айлананинг радиусини топинг.
 A) 1 B) 2 **C) 3** D) 6

2430. 4.2-2 file-» 51 - 1 - - (175058)
 Тўғри бурчакли учбурчакнинг ўткир бурчаклари учидан туширилган баландликлари 7 ва 24 га тенг. Шу учбурчакнинг юзини топинг.
 A) 168 **B) 84** C) 175 D) 56

2431. 4.2-2 file-» 55 - 1 - - (180975)
 Катетлари 7 ва 24 бўлган тўғри бурчакли учбурчакнинг гипотенузасига туширилган баландлигини топинг.
A) 6,72 B) 6,62 C) 6,82 D) $6\frac{8}{25}$

2432. 4.2-2 file-» 5 - 3 - - (315426)
 Учбурчакнинг томонлари 4; 5 ва 6 см. 4 см li томоннинг 6 см li tomondagi proyeksiyasi necha sm?
A) $2\frac{1}{4}$ B) $3\frac{3}{4}$ C) $3\frac{1}{4}$ D) $4\frac{3}{4}$

2433. 4.2-2 file-» 5 - 4 - - (315427)
 Учбурчакнинг томонлари 4; 5 ва 6 м. 5 м li tomonning 6 м li tomondagi proyeksiyasi necha m?
A) $3\frac{3}{4}$ B) $2\frac{1}{4}$ C) $3\frac{1}{4}$ D) $4\frac{3}{4}$

2434. 4.2-2 file-» 5 - 5 - - (315428)
 Учбурчакнинг томонлари 6; 7 ва 8 м. 6 м li tomonning 8 м li tomondagi proyeksiyasi necha m ?
 A) $4\frac{3}{16}$ **B) $3\frac{3}{16}$** C) $4\frac{7}{16}$ D) $4\frac{13}{16}$

2435. 4.2-2 file-» 22 - 2 - - (315429)
 То'g'ri burchakli uchburchakning gipotenuzasi 75 sm, katetlari esa o'zaro 7:24 nisbatda. Shu uchburchakning katta katetini toping.
 A) 63 B) 36 **C) 72** D) 42

2436. 4.2-2 file-» 22 - 2 - - (315430)
 Aylananing ikkita kesishuvchi vatarlaridan birining uzunligi 36 sm, ikkinchisi kesishish nuqtasida 18 sm va 16 sm li kesmalariga ajraladi. Birinchi vatarning kesmalarini aniqlang.
A) 12 va 24 B) 16 va 20 C) 17 va 19 D) 22 va 14

2437. 4.2-2 file-» 22 - 3 - - (315431)
 То'g'ri burchakli uchburchak katetlaridan biri 12 sm, gipotenuzasi esa ikkinchi katetdan 4 sm uzun. Gipotenuzaning uzunligini toping.
A) 20 B) 22 C) 16 D) 18

2438. 4.2-2 file-» 22 - 4 - - (315432)
 То'g'ri burchakli uchburchak katetlaridan biri 15 sm, ikkinchisi esa gipotenuzadan 3 sm qisqa. Shu uchburchak gipotenuzasini toping.
 A) 36 B) 20 C) 25 **D) 39**

2439. 4.2-2 file-» 5 - 10 - - (315433)
 Teng yonli uchburchakning asosi 40 ga, unga tushirilgan balandligi 21 ga teng. Uchburchakning yon tomonini toping.
A) 29 B) 27 C) 31 D) 19

2440. 4.2-2 file-» 5 - 10 - - (315434)
To'g'ri burchakli uchburchakning bir kateti $4\sqrt{3}$ ga, bu katet qarshisidagi burchak 60° ga teng. Ikkinchi katetni toping.

- A) $2\sqrt{3}$ **B) 4** C) $\frac{4\sqrt{3}}{3}$ D) $\sqrt{2}$

2441. 4.2-2 file-» 5 - 7 - - (315435)
Teng yonli uchburchakning balandligi 7 ga, asosi 48 ga teng. Uning yon tomonini toping.

- A) 45 B) 31 **C) 25** D) 55

2442. 4.2-2 file-» 5 - 7 - - (315436)
To'g'ri burchakli uchburchakning kateti $6\sqrt{3}$ ga, bu katet qarshisidagi burchak 60° ga teng. Shu uchburchakning gipotenuzasini toping.

- A) 12** B) $4\sqrt{3}$ C) $6\sqrt{3}$ D) $3\sqrt{3}$

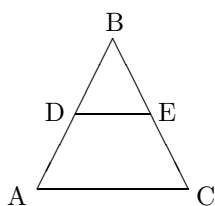
2443. 4.2-2 file-» 12 - 1 - - (315437)
Uchburchakning tomonlari 4; 5 va 6 ga teng. 5 ga teng bo'lgan tomon qarshisidagi burchakning kosinusini toping.

- A) $\frac{7}{16}$ **B) $\frac{9}{16}$** C) $\frac{7}{8}$ D) $\frac{1}{8}$

2444. 4.2-2 file-» 12 - 1 - - (315438)
To'g'ri burchakli uchburchakning gipotenuzasi $32\frac{2}{3}$ ga, katetlaridan biri 14 ga teng. Shu katetning gipotenuzadagi proyeksiyasini toping.

- A) 6** B) 12 C) 8 D) 7

2445. 4.2-2 file-» 12 - 1 - - (315439)
Chizmada $\angle DEB=60^\circ$, $BE=6$ va $DE=4$ (uchburchakning o'rta chizig'i) bo'lsa, AB ni toping.



- A) $3\sqrt{7}$ B) $5\sqrt{7}$ **C) $4\sqrt{7}$** D) 7

2446. 4.2-2 file-» 13 - 1 - - 1 (315440)
 $\triangle ABC$ da $\angle B = 90^\circ$, $\angle C = 60^\circ$. BB_1 balandlik 3 ga teng. AB ni toping.

- A) 6** B) 12 C) $6\sqrt{3}$ D) $6\sqrt{2}$

2447. 4.2-2 file-» 12 - 2 - - 7 (315441)
 ABC uchburchakda $AB = 3$, $CB = 4$ va $\cos B = -\frac{11}{24}$ bo'lsa, AC ning qiymatini toping.

- A) 2 **B) 6** C) 3 D) 4

2448. 4.2-2 file-» 12 - 2 - - 7 (315442)
To'g'ri burchakli uchburchakning gipotenuzasi 30 ga, katetlaridan biri $12\sqrt{5}$ ga teng. Ikkinchi katetning gipotenuzadagi proyeksiyasini toping.

- A) 8 B) 5 **C) 6** D) 7

2449. 4.2-2 file-» 35 - 1 - - 1 (315443)
Bir burchagi 150° bo'lgan uchburchakka tashqi chizilgan aylananing radiusi 2 ga teng. Uchburchak katta tomonining uzunligini toping.

- A) 1 **B) 2** C) 3 D) 4

2450. 4.2-2 file-» 35 - 1 - - 1 (315444)
 ABC uchburchakning A burchagi 45° ga, BC tomoni $3\sqrt{2}$ ga teng. Shu uchburchakka tashqi chizilgan aylananing radiusini toping.

- A) 1 B) 2 **C) 3** D) 6

2451. 4.2-2 file-» 2 - 41 - - 4 (315446)
To'g'ri burchakli uchburchakning katetlari 3 va 5 ga teng bo'lib, bu uchburchakka u bilan umumiy to'g'ri burchakka ega bo'lgan kvadrat ichki chizilgan. Kvadratning perimetrini toping.

- A) 8 **B) 7,5** C) 9,5 D) 7

2452. 4.2-2 file-» 32 - 1 - - (315447)
Katetlarining gipotenuzadagi proyeksiyalari 2 va 18 ga teng bo'lgan to'g'ri burchakli uchburchakning yuzini toping.

- A) 90 B) 72 C) 36 **D) 60**

2453. 4.2-2 file-» 51 - 1 - - (315448)
To'g'ri burchakli uchburchakning o'tkir burchaklari uchidan tushirilgan balandliklari 7 va 24 ga teng. Shu uchburchakning yuzini toping.

- A) 168 **B) 84** C) 175 D) 56

2454. 4.2-2 file-» 52 - 1 - - (315449)
To'g'ri burchakli uchburchakning gipotenuzasi 6,4 ga teng. Gipotenuza bilan o'tkir burchakning bissektrisasi $22,5^\circ$ li burchak tashkil qiladi. Berilgan burchakli uchburchakning yuzini toping.

- A) 10,24** B) 102,4 C) 20,48 D) 12,8

2455. 4.2-2 file-» 55 - 1 - - (315450)
Katetlari 7 va 24 bo'lgan to'g'ri burchakli uchburchakning gipotenuzasiga tushirilgan balandligini toping.

- A) 6,72** B) 6,62 C) 6,82 D) $6\frac{8}{25}$

2456. 4.2-2 file-» 55 - 1 - - (315451)
To'g'ri burchakli uchburchakning katetlari 12 va 16. Katta katetning gipotenuzadagi proyeksiyasini toping.

- A) $12\frac{4}{5}$** B) $11\frac{3}{5}$ C) $7\frac{1}{5}$ D) $8\frac{2}{5}$

2457. 4.2-2 file-» 50 - 19 - - (402036)
 To'g'ri burchakli uchburchakning balandligi gipotenuzani 3 va 12 ga teng kesmalarga ajratadi. Shu balandlikni toping.
A) 6 B) $6\sqrt{2}$ C) 12 D) $6\sqrt{3}$
2458. 4.2-2 file-» 50 - 19 - - (402037)
 To'g'ri burchakli uchburchakning balandligi gipotenuzani 32 va 2 ga teng kesmalarga ajratadi. Shu balandlikni toping.
 A) $5\frac{1}{3}$ B) 8 C) 16 D) $8\sqrt{2}$
2459. 4.2-2 file-» 50 - 19 - - (402038)
 To'g'ri burchakli uchburchakning balandligi gipotenuzani 5 va 20 ga teng kesmalarga ajratadi. Shu balandlikni toping.
 A) $10\sqrt{2}$ B) $6\frac{2}{3}$ C) 10 D) $10\sqrt{3}$
2460. 4.2-2 file-» 50 - 19 - - (402039)
 To'g'ri burchakli uchburchakning balandligi gipotenuzani 8 va 18 ga teng kesmalarga ajratadi. Shu balandlikni toping.
 A) $12\sqrt{2}$ B) 8 C) 24 D) 12
2461. 4.2-2 file-» 50 - 19 - - (402040)
 To'g'ri burchakli uchburchakning balandligi gipotenuzani 98 va 2 ga teng kesmalarga ajratadi. Shu balandlikni toping.
 A) $14\sqrt{3}$ B) 28 C) 14 D) $14\sqrt{2}$
2462. 4.2-2 file-» 50 - 19 - - (402041)
 To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 9 ga teng. Berilgan uchburchakning katta katetini toping.
A) 18 B) 4,5 C) $\frac{9\sqrt{3}}{2}$ D) $9\sqrt{3}$
2463. 4.2-2 file-» 50 - 19 - - (402042)
 To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 12 ga teng. Berilgan uchburchakning katta katetini toping.
 A) $8\sqrt{3}$ B) 24 C) 6 D) $6\sqrt{3}$
2464. 4.2-2 file-» 50 - 19 - - (402043)
 To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 15 ga teng. Berilgan uchburchakning katta katetini toping.
 A) $\frac{15\sqrt{3}}{2}$ B) $5\sqrt{3}$ C) 30 D) $10\sqrt{3}$
2465. 4.2-2 file-» 50 - 19 - - (402044)
 To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 18 ga teng. Berilgan uchburchakning katta katetini toping.
 A) $12\sqrt{3}$ B) $6\sqrt{3}$ C) $9\sqrt{3}$ D) 36
2466. 4.2-2 file-» 50 - 19 - - (402045)
 To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 21 ga teng. Berilgan uchburchakning katta katetini toping.
 A) $14\sqrt{3}$ B) 42 C) $\frac{21\sqrt{3}}{2}$ D) $21\sqrt{3}$
2467. 4.2-2 file-» 50 - 19 - - (402046)
 To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 6 ga teng. Berilgan uchburchakning kichik katetini toping.
A) $4\sqrt{3}$ B) 3 C) $3\sqrt{3}$ D) $6\sqrt{3}$
2468. 4.2-2 file-» 50 - 19 - - (402047)
 To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 9 ga teng. Berilgan uchburchakning kichik katetini toping.
 A) 4,5 B) $6\sqrt{3}$ C) $\frac{9\sqrt{3}}{2}$ D) $9\sqrt{3}$
2469. 4.2-2 file-» 50 - 19 - - (402048)
 To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 12 ga teng. Berilgan uchburchakning kichik katetini toping.
 A) 24 B) $12\sqrt{3}$ C) $8\sqrt{3}$ D) $6\sqrt{3}$
2470. 4.2-2 file-» 50 - 19 - - (402049)
 To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 15 ga teng. Berilgan uchburchakning kichik katetini toping.
 A) 7,5 B) $\frac{15\sqrt{3}}{2}$ C) $15\sqrt{3}$ D) $10\sqrt{3}$
2471. 4.2-2 file-» 50 - 19 - - (402050)
 To'g'ri burchakli uchburchakning o'tkir burchagi 60° ga, gipotenuzasiga tushirilgan balandligi 21 ga teng. Berilgan uchburchakning kichik katetini toping.
A) $14\sqrt{3}$ B) $21\sqrt{3}$ C) $\frac{21\sqrt{3}}{2}$ D) 42

2472. 4.2-3 file-» 50 - 123 - - (704544)
 Tomonlarining uzunliklari 7, 11 va 12 ga teng uchburchakning katta burchagini toping.
 A) $\arccos\left(\frac{9}{11}\right)$ B) $\arccos\left(\frac{13}{154}\right)$
 C) $\arccos\left(\frac{13}{77}\right)$ D) $\arccos\left(\frac{3}{7}\right)$
2473. 4.2-3 file-» 50 - 123 - - (704545)
 Tomonlarining uzunliklari 8, 9 va 11 ga teng uchburchakning katta burchagini toping.
 A) $\arccos\left(\frac{13}{22}\right)$ B) $\arccos\left(\frac{23}{33}\right)$
 C) $\arccos\left(\frac{1}{12}\right)$ D) $\arccos\left(\frac{1}{6}\right)$
2474. 4.2-3 file-» 50 - 123 - - (704546)
 Tomonlarining uzunliklari 8, 9 va 12 ga teng uchburchakning katta burchagini toping.
 A) $\arccos\left(\frac{1}{144}\right)$ B) $\arccos\left(\frac{127}{192}\right)$
 C) $\arccos\left(\frac{161}{216}\right)$ D) $\arccos\left(\frac{1}{288}\right)$
2475. 4.2-3 file-» 50 - 123 - - (704547)
 Tomonlarining uzunliklari 8, 11 va 12 ga teng uchburchakning katta burchagini toping.
 A) $\arccos\left(\frac{41}{352}\right)$ B) $\arccos\left(\frac{41}{176}\right)$
 C) $\arccos\left(\frac{29}{64}\right)$ D) $\arccos\left(\frac{67}{88}\right)$
2476. 4.2-3 file-» 50 - 123 - - (704548)
 Tomonlarining uzunliklari 9, 11 va 12 ga teng uchburchakning katta burchagini toping.
 A) $\arccos\left(\frac{23}{33}\right)$ B) $\arccos\left(\frac{29}{198}\right)$
 C) $\arccos\left(\frac{29}{99}\right)$ D) $\arccos\left(\frac{13}{27}\right)$
2477. 4.2-3 file-» 50 - 123 - - (704549)
 Tomonlarining uzunliklari 6, 7 va 9 ga teng uchburchakning kichik burchagini toping.
 A) $\arccos\frac{47}{126}$ B) $\arccos\frac{47}{63}$ C) $\arccos\frac{17}{27}$
 D) $\arccos\frac{1}{21}$
2478. 4.2-3 file-» 50 - 123 - - (704550)
 Tomonlarining uzunliklari 6, 7 va 11 ga teng uchburchakning kichik burchagini toping.
 A) $\arccos\left(-\frac{3}{7}\right)$ B) $\arccos\frac{67}{154}$
 C) $\arccos\frac{67}{77}$ D) $\arccos\frac{9}{11}$
2479. 4.2-3 file-» 50 - 123 - - (704551)
 Tomonlarining uzunliklari 6, 8 va 9 ga teng uchburchakning kichik burchagini toping.
 A) $\arccos\frac{53}{108}$ B) $\arccos\frac{19}{96}$ C) $\arccos\frac{109}{288}$
 D) $\arccos\frac{109}{144}$
2480. 4.2-3 file-» 50 - 123 - - (704552)
 Tomonlarining uzunliklari 6, 8 va 11 ga teng uchburchakning kichik burchagini toping.
 A) $\arccos\frac{149}{176}$ B) $\arccos\frac{31}{44}$
 C) $\arccos\left(-\frac{7}{32}\right)$ D) $\arccos\frac{149}{352}$
2481. 4.2-3 file-» 50 - 123 - - (704553)
 Tomonlarining uzunliklari 6, 9 va 11 ga teng uchburchakning kichik burchagini toping.
 A) $\arccos\frac{83}{198}$ B) $\arccos\frac{83}{99}$ C) $\arccos\frac{19}{33}$
 D) $\arccos\left(-\frac{1}{27}\right)$
2482. 4.2-3 file-» 50 - 123 - - (704554)
 Tomonlarining uzunliklari 4, 11 va 13 ga teng uchburchakning katta burchagini toping.
 A) $2\sqrt{105}$ B) $\sqrt{105}$ C) $\frac{4\sqrt{105}}{11}$
 D) $\frac{4\sqrt{105}}{13}$
2483. 4.2-3 file-» 50 - 123 - - (704555)
 Tomonlarining uzunliklari 5, 6 va 9 ga teng uchburchakning katta burchagini toping.
 A) $\frac{20\sqrt{2}}{9}$ B) $8\sqrt{2}$ C) $4\sqrt{2}$ D) $\frac{10\sqrt{2}}{3}$
2484. 4.2-3 file-» 50 - 123 - - (704556)
 Tomonlarining uzunliklari 5, 7 va 8 ga teng uchburchakning katta burchagini toping.
 A) $\frac{20\sqrt{3}}{7}$ B) $\frac{5\sqrt{3}}{2}$ C) $8\sqrt{3}$ D) $4\sqrt{3}$
2485. 4.2-3 file-» 50 - 123 - - (704557)
 Tomonlarining uzunliklari 6, 11 va 13 ga teng uchburchakning katta burchagini toping.
 A) $2\sqrt{30}$ B) $\frac{12\sqrt{30}}{11}$ C) $\frac{12\sqrt{30}}{13}$
 D) $4\sqrt{30}$
2486. 4.2-3 file-» 50 - 123 - - (704558)
 Tomonlarining uzunliklari 7, 8 va 13 ga teng uchburchakning katta burchagini toping.
 A) $8\sqrt{3}$ B) $4\sqrt{3}$ C) $\frac{7\sqrt{3}}{2}$ D) $\frac{28\sqrt{3}}{13}$

2487. 4.2-3 file-» 50 - 123 - - (704559)
 Tomonlarining uzunliklari 4, 11 va 13 ga teng uchburchakning kichik balandligini toping.
 A) $\frac{\sqrt{105}}{2}$ B) $\frac{4\sqrt{105}}{13}$ C) $\frac{4\sqrt{105}}{11}$
 D) $\sqrt{105}$
2488. 4.2-3 file-» 50 - 123 - - (704560)
 Tomonlarining uzunliklari 5, 6 va 9 ga teng uchburchakning kichik balandligini toping.
 A) $4\sqrt{2}$ B) $2\sqrt{2}$ C) $\frac{20\sqrt{2}}{9}$ D) $\frac{10\sqrt{2}}{3}$
2489. 4.2-3 file-» 50 - 123 - - (704561)
 Tomonlarining uzunliklari 5, 7 va 8 ga teng uchburchakning kichik balandligini toping.
 A) $\frac{20\sqrt{3}}{7}$ B) $4\sqrt{3}$ C) $2\sqrt{3}$ D) $\frac{5\sqrt{3}}{2}$
2490. 4.2-3 file-» 50 - 123 - - (704562)
 Tomonlarining uzunliklari 6, 11 va 13 ga teng uchburchakning kichik balandligini toping.
 A) $\frac{12\sqrt{30}}{13}$ B) $\frac{12\sqrt{30}}{11}$ C) $2\sqrt{30}$ D) $\sqrt{30}$
2491. 4.2-3 file-» 50 - 123 - - (704563)
 Tomonlarining uzunliklari 7, 8 va 13 ga teng uchburchakning kichik balandligini toping.
 A) $2\sqrt{3}$ B) $\frac{28\sqrt{3}}{13}$ C) $\frac{7\sqrt{3}}{2}$ D) $4\sqrt{3}$
2492. 4.2-3 file-» 51 - 2 - - (719556)
 To'g'ri burchakli uchburchakning gipotenuzasiga tushirilgan balandligi 24 ga, katetlarining gipotenuzadagi proyeksiyalari nisbati 9:16 ga teng. Uchburchakning katetlarini toping.
 A) 21; 28 B) 30; 40 C) 18; 24
 D) 24; 32
2493. 4.2-3 file-» 51 - 2 - - (719557)
 To'g'ri burchakli uchburchakning to'g'ri burchagidan o'tkazilgan bissektrisa gipotenuzani uzunligi 20 va 15 bo'lgan ikki qismga ajratadi. Shu uchburchakka ichki chizilgan doiraning yuzini toping.
 A) 25π B) 49π C) 64π D) 42π
2494. 4.2-3 file-» 50 - 130 - - (719558)
 Tomonlarining uzunliklari 7; 8 va 9 ga teng uchburchakning katta burchagini toping.
 A) $\arccos\left(\frac{1}{7}\right)$ B) $\arccos\left(\frac{2}{7}\right)$
 C) $\arccos\left(\frac{11}{21}\right)$ D) $\arccos\left(\frac{2}{3}\right)$
2495. 4.2-3 file-» 50 - 130 - - (719559)
 Tomonlarining uzunliklari 7; 8 va 11 ga teng uchburchakning katta burchagini toping.
 A) $\arccos\left(\frac{17}{22}\right)$ B) $\arccos\left(-\frac{1}{28}\right)$
 C) $\arccos\left(-\frac{1}{14}\right)$ D) $\arccos\left(\frac{53}{77}\right)$
2496. 4.2-3 file-» 50 - 130 - - (719560)
 Tomonlarining uzunliklari 7; 8 va 12 ga teng uchburchakning katta burchagini toping.
 A) $\arccos\left(\frac{43}{56}\right)$ B) $\arccos\left(\frac{53}{64}\right)$
 C) $\arccos\left(-\frac{31}{224}\right)$ D) $\arccos\left(-\frac{31}{112}\right)$
2497. 4.2-3 file-» 50 - 130 - - (719561)
 Tomonlarining uzunliklari 7; 9 va 11 ga teng uchburchakning katta burchagini toping.
 A) $\arccos\left(\frac{1}{14}\right)$ B) $\arccos\left(\frac{89}{154}\right)$
 C) $\arccos\left(\frac{17}{22}\right)$ D) $\arccos\left(\frac{1}{28}\right)$
2498. 4.2-3 file-» 50 - 130 - - (719562)
 Tomonlarining uzunliklari 7; 9 va 12 ga teng uchburchakning katta burchagini toping.
 A) $\arccos\left(-\frac{1}{18}\right)$ B) $\arccos\left(-\frac{1}{9}\right)$
 C) $\arccos\left(\frac{2}{3}\right)$ D) $\arccos\left(\frac{22}{27}\right)$
2499. 4.2-3 file-» 50 - 130 - - (719563)
 Tomonlarining uzunliklari 7; 8 va 9 ga teng uchburchakning kichik burchagini toping.
 A) $\arccos\frac{2}{3}$ B) $\arccos\frac{11}{21}$ C) $\arccos\frac{2}{7}$
 D) $\arccos\frac{1}{3}$
2500. 4.2-3 file-» 50 - 130 - - (719564)
 Tomonlarining uzunliklari 7; 8 va 11 ga teng uchburchakning kichik burchagini toping.
 A) $\arccos\frac{17}{44}$ B) $\arccos\frac{17}{22}$ C) $\arccos\frac{53}{77}$
 D) $\arccos\left(-\frac{1}{14}\right)$
2501. 4.2-3 file-» 50 - 130 - - (719565)
 Tomonlarining uzunliklari 7; 9 va 11 ga teng uchburchakning kichik burchagini toping.
 A) $\arccos\frac{1}{14}$ B) $\arccos\frac{17}{44}$ C) $\arccos\frac{17}{22}$
 D) $\arccos\frac{89}{154}$

2502. 4.2-3 file-» 50 - 130 - - (719566)
Tomonlarining uzunliklari 8; 9 va 11 ga teng uchburchakning kichik burchagini toping.
A) $\arccos \frac{13}{22}$ B) $\arccos \frac{1}{6}$ C) $\arccos \frac{23}{66}$
D) $\arccos \frac{23}{33}$
2503. 4.2-3 file-» 50 - 130 - - (719567)
Tomonlarining uzunliklari 6; 7 va 8 ga teng uchburchakning kichik burchagini toping.
A) $\arccos \frac{11}{16}$ B) $\arccos \frac{17}{32}$ C) $\arccos \frac{1}{4}$
D) $\arccos \frac{11}{32}$
2504. 4.2-3 file-» 50 - 130 - - (719568)
Tomonlarining uzunliklari 7; 9 va 12 ga teng uchburchakning katta balandligini toping.
A) $4\sqrt{5}$ B) $\frac{28\sqrt{5}}{9}$ C) $\frac{7\sqrt{5}}{3}$ D) $8\sqrt{5}$
2505. 4.2-3 file-» 50 - 130 - - (719569)
Tomonlarining uzunliklari 6; 7 va 11 ga teng uchburchakning katta balandligini toping.
A) $4\sqrt{10}$ B) $2\sqrt{10}$ C) $\frac{12\sqrt{10}}{7}$
D) $\frac{12\sqrt{10}}{11}$
2506. 4.2-3 file-» 50 - 130 - - (719570)
Tomonlarining uzunliklari 4; 5 va 7 ga teng uchburchakning katta balandligini toping.
A) $\frac{8\sqrt{6}}{7}$ B) $4\sqrt{6}$ C) $2\sqrt{6}$ D) $\frac{8\sqrt{6}}{5}$
2507. 4.2-3 file-» 50 - 130 - - (719571)
Tomonlarining uzunliklari 4; 7 va 9 ga teng uchburchakning katta balandligini toping.
A) $\frac{12\sqrt{5}}{7}$ B) $\frac{4\sqrt{5}}{3}$ C) $6\sqrt{5}$ D) $3\sqrt{5}$
2508. 4.2-3 file-» 50 - 130 - - (719572)
Tomonlarining uzunliklari 4; 9 va 11 ga teng uchburchakning katta balandligini toping.
A) $6\sqrt{2}$ B) $\frac{8\sqrt{2}}{3}$ C) $\frac{24\sqrt{2}}{11}$ D) $12\sqrt{2}$
2509. 4.2-3 file-» 50 - 130 - - (719573)
Tomonlarining uzunliklari 7; 9 va 12 ga teng uchburchakning kichik balandligini toping.
A) $\frac{7\sqrt{5}}{3}$ B) $\frac{28\sqrt{5}}{9}$ C) $4\sqrt{5}$ D) $2\sqrt{5}$
2510. 4.2-3 file-» 50 - 130 - - (719574)
Tomonlarining uzunliklari 6; 7 va 11 ga teng uchburchakning kichik balandligini toping.
A) $\sqrt{10}$ B) $\frac{12\sqrt{10}}{11}$ C) $\frac{12\sqrt{10}}{7}$ D) $2\sqrt{10}$
2511. 4.2-3 file-» 50 - 130 - - (719575)
Tomonlarining uzunliklari 4; 5 va 7 ga teng uchburchakning kichik balandligini toping.
A) $2\sqrt{6}$ B) $\sqrt{6}$ C) $\frac{8\sqrt{6}}{7}$ D) $\frac{8\sqrt{6}}{5}$
2512. 4.2-3 file-» 50 - 130 - - (719576)
Tomonlarining uzunliklari 4; 7 va 9 ga teng uchburchakning kichik balandligini toping.
A) $\frac{12\sqrt{5}}{7}$ B) $3\sqrt{5}$ C) $\frac{3\sqrt{5}}{2}$ D) $\frac{4\sqrt{5}}{3}$
2513. 4.2-3 file-» 50 - 130 - - (719577)
Tomonlarining uzunliklari 4; 9 va 11 ga teng uchburchakning kichik balandligini toping.
A) $\frac{24\sqrt{2}}{11}$ B) $\frac{8\sqrt{2}}{3}$ C) $6\sqrt{2}$ D) $3\sqrt{2}$
2514. 4.2-4 file-» 5 - 3 - - (13871)
Учбурчакнинг томонлари 4; 5 ва 6 см. 4 см ли томоннинг 6 см ли томондаги проекцияси неча см?
A) $2\frac{1}{4}$ B) $3\frac{3}{4}$ C) $3\frac{1}{4}$ D) $4\frac{3}{4}$
2515. 4.2-4 file-» 5 - 4 - - (13926)
Учбурчакнинг томонлари 4; 5 ва 6 м. 5 м ли томоннинг 6 м ли томондаги проекцияси неча м?
A) $3\frac{3}{4}$ B) $2\frac{1}{4}$ C) $3\frac{1}{4}$ D) $4\frac{3}{4}$
2516. 4.2-4 file-» 5 - 5 - - (13982)
Учбурчакнинг томонлари 6; 7 ва 8 м. 6 м ли томоннинг 8 м ли томондаги проекцияси неча м?
A) $4\frac{3}{16}$ B) $3\frac{3}{16}$ C) $4\frac{7}{16}$ D) $4\frac{13}{16}$
2517. 4.2-4 file-» 22 - 2 - - (14252)
Айлананинг иккита кесишувчи ватарларидан бирининг узунлиги 36 см, иккинчиси кесишиш нуқтасида 18 см ва 16 см ли кесмаларга ажралади. Биринчи ватарнинг кесмаларини аниқланг.
A) 12 ва 24 B) 16 ва 20 C) 17 ва 19
D) 22 ва 14

2518. 4.2-4 file-» 12 - 1 - - (56555)
 Тўғри бурчакли учбурчакнинг гипотенузаси $32\frac{2}{3}$ га, катетларидан бири 14 га тенг. Шу катетнинг гипотенузадаги проекциясини топинг.
A) 6 B) 12 C) 8 D) 7
2519. 4.2-4 file-» 12 - 2 - - 7 (71845)
 Тўғри бурчакли учбурчакнинг гипотенузаси 30 га, катетларидан бири $12\sqrt{5}$ га тенг. Иккинчи катетнинг гипотенузадаги проекциясини топинг.
 A) 8 B) 5 **C) 6** D) 7
2520. 4.2-4 file-» 2 - 41 - - 4 (131158)
 Тўғри бурчакли учбурчакнинг катетлари 3 ва 5 га тенг бўлиб, бу учбурчакка у билан умумий тўғри бурчакка эга бўлган квадрат ички чизилган. Квадратнинг периметрини топинг.
 A) 8 **B) 7,5** C) 9,5 D) 7
2521. 4.2-4 file-» 32 - 1 - - (173927)
 Катетларининг гипотенузадаги проекциялари 2 ва 18 га тенг бўлган тўғри бурчакли учбурчакнинг юзини топинг.
 A) 90 B) 72 C) 36 **D) 60**
2522. 4.2-4 file-» 52 - 1 - - (175110)
 Тўғри бурчакли учбурчакнинг гипотенузаси 6,4 га тенг. Гипотенуза билан ўткир бурчакнинг биссектрисаси $22,5^\circ$ ли бурчак ташкил қилади. Берилган бурчакли учбурчакнинг юзини топинг.
A) 10,24 B) 102,4 C) 20,48 D) 12,8
2523. 4.2-4 file-» 55 - 1 - - (180976)
 Тўғри бурчакли учбурчакнинг катетлари 12 ва 16. Катта катетнинг гипотенузадаги проекциясини топинг.
A) $12\frac{4}{5}$ B) $11\frac{3}{5}$ C) $7\frac{1}{5}$ D) $8\frac{2}{5}$
2524. 4.3-1 file-» 5 - 3 - - (13874)
 $P(3;0)$ нуқтани координата боши атрофида 90° га бурганда у қайси нуқтага ўтади?
 A) $(-3;0)$ B) $(0;-3)$ C) $(3;3)$ **D) $(0;3)$**
2525. 4.3-1 file-» 5 - 4 - - (13929)
 $P(0;3)$ нуқтани координата боши атрофида 90° га бурганда ҳосил бўладиган нуқтанинг координаталарини топинг.
 A) $(3;0)$ B) $(0;-3)$ **C) $(-3;0)$**
 D) $(3;3)$
2526. 4.3-1 file-» 5 - 5 - - (13984)
 Учлари $A(3;-1)$ ва $B(2;4)$ нуқтада бўлган АВ кесманинг ўртасидаги нуқтанинг координаталарини топинг.
A) $(2,5;1,5)$ B) $(-2,5;1,5)$
 C) $(2,5;-1,5)$ D) $(2,5;3)$
2527. 4.3-1 file-» 5 - 5 - - (13985)
 $P(-3;0)$ нуқтани координата боши атрофида 90° га бурганда ҳосил бўладиган нуқтанинг координаталарини топинг.
 A) $(3;0)$ **B) $(0;-3)$** C) $(3;3)$ D) $(0;3)$
2528. 4.3-1 file-» 6 - 3 - - (14035)
 $x^2 + y^2 + 4x + 6y - 3 = 0$ тенглама билан берилган айлананинг радиусини топинг.
 A) 3 B) 6 **C) 4** D) 5
2529. 4.3-1 file-» 6 - 4 - - (14087)
 $x^2 + y^2 - 4x + 6y - 3 = 0$ тенглама билан берилган айлананинг марказини топинг.
 A) $(-4;-3)$ B) $(4;-4)$ C) $(-4;6)$
D) $(2;-3)$
2530. 4.3-1 file-» 6 - 5 - - (14139)
 $x^2 + y^2 - 4x - 6y - 3 = 0$ тенглама билан берилган айлананинг радиусини топинг.
 A) 3 B) 5 C) 6 **D) 4**
2531. 4.3-1 file-» 6 - 6 - - (14191)
 $x^2 + y^2 + 4x - 6y - 3 = 0$ тенглама билан берилган айлананинг марказини топинг.
A) $(-2;3)$ B) $(2;-3)$ C) $(4;-3)$
 D) $(-4;6)$
2532. 4.3-1 file-» 22 - 3 - - (14309)
 $\vec{m}(-3;1)$ ва $\vec{n}(5;-6)$ векторлар берилган. $\vec{a} = \vec{n} - 3 \cdot \vec{m}$ векторнинг координаталарини топинг.
A) $(14;-9)$ B) $(4;-3)$ C) $(14;-3)$
 D) $(9;3)$
2533. 4.3-1 file-» 22 - 4 - - (14368)
 $\vec{a}(2;-3)$ ва $\vec{b}(-2;-3)$ векторлар берилган. $\vec{m} = \vec{a} - 2\vec{b}$ векторнинг координаталарини кўрсатинг.
A) $(6;3)$ B) $(-3;6)$ C) $(-2;-9)$
 D) $(2;-3)$
2534. 4.3-1 file-» 5 - 3 - - (315452)
 $P(3;0)$ нуқтани координата бoshi атрофида 90° га бурганда у қайси нуқтага ўтади?
 A) $(-3;0)$ B) $(0;-3)$ C) $(3;3)$
D) $(0;3)$

2535. 4.3-1 file-» 5 - 4 - - (315453)
 $P(0;3)$ nuqtani koordinata boshi atrofida 90° ga burganda hosil bo'ladigan nuqtaning koordinatalarini toping.
 A) (3; 0) B) (0; -3) C) (-3; 0)
 D) (3; 3)
2536. 4.3-1 file-» 5 - 5 - - (315454)
 Uchlari $A(3; -1)$ va $B(2; 4)$ nuqtada bo'lgan AB kesmaning o'rtasidagi nuqtaning koordinatalarini toping.
A) (2, 5; 1, 5) B) (-2, 5; 1, 5)
 C) (2, 5; -1, 5) D) (2, 5; 3)
2537. 4.3-1 file-» 5 - 5 - - (315455)
 $P(-3; 0)$ nuqtani koordinata boshi atrofida 90° ga burganda hosil bo'ladigan nuqtaning koordinatalarini toping.
 A) (3; 0) B) (0; -3) C) (3; 3)
 D) (0; 3)
2538. 4.3-1 file-» 6 - 3 - - (315456)
 $x^2 + y^2 + 4x + 6y - 3 = 0$ tenglama bilan berilgan aylananing radiusini toping.
 A) 3 B) 6 C) 4 D) 5
2539. 4.3-1 file-» 6 - 4 - - (315457)
 $x^2 + y^2 - 4x + 6y - 3 = 0$ tenglama bilan berilgan aylananing markazini toping.
 A) (-4; -3) B) (4; -4) C) (-4; 6)
D) (2; -3)
2540. 4.3-1 file-» 6 - 5 - - (315458)
 $x^2 + y^2 - 4x - 6y - 3 = 0$ tenglama bilan berilgan aylananing radiusini toping.
 A) 3 B) 5 C) 6 D) 4
2541. 4.3-1 file-» 6 - 6 - - (315459)
 $x^2 + y^2 + 4x - 6y - 3 = 0$ tenglama bilan berilgan aylananing markazini toping.
A) (-2; 3) B) (2; -3) C) (4; -3)
 D) (-4; 6)
2542. 4.3-1 file-» 22 - 3 - - (315460)
 $\vec{m}(-3; 1)$ va $\vec{n}(5; -6)$ vektorlar berilgan.
 $\vec{a} = \vec{n} - 3 \cdot \vec{m}$ vektorning koordinatalarini toping.
A) (14; -9) B) (4; -3) C) (14; -3)
 D) (9; 3)
2543. 4.3-1 file-» 22 - 4 - - (315461)
 $\vec{a}(2; -3)$ va $\vec{b}(-2; -3)$ vektorlar berilgan.
 $\vec{m} = \vec{a} - 2\vec{b}$ vektorning koordinatalarini ko'rsating.
A) (6; 3) B) (-3; 6) C) (-2; -9)
 D) (2; -3)
2544. 4.3-2 file-» 22 - 2 - - (14234)
 a ning qanday qiyमतларида $ax + 2y = 3$ va $3x - y = -1$ tўғри chiziqлар кесишади?
 A) $a = 0$ B) $a \neq 2$ C) $a \in R$ D) $a \neq -6$
2545. 4.3-2 file-» 22 - 3 - - (14293)
 a ning qanday qiyमतларида $ax + 3y = 8$ va $y - x = 4$ tўғри chiziqлар параллель бўлади?
 A) $a = 1$ B) $a = 2$ C) $a = -3$ D) $a \in R$
2546. 4.3-2 file-» 22 - 3 - - (14308)
 Қавариқ тўртбурчакнинг бурчакларидан бири тўғри бурчак, қолганлари эса ўзаро $6 : 5 : 4$ нисбатда. Тўртбурчакнинг кичик бурчагини топинг.
 A) 60° B) 108° C) 90° D) 72°
2547. 4.3-2 file-» 22 - 4 - - (14352)
 a va b ning qanday qiyमतларида $ax + by = -4$ va $3x - 3y = 4$ tўғри chiziqлар устма-уст тушади?
 A) $a = 3; b = -3$ B) $a = -3; b = 3$
 C) $a = b = 3$ D) $a = 3; b = -1$
2548. 4.3-2 file-» 22 - 12 - - (36275)
 Ромб диагоналлариининг томонлари билан ҳосил қилган бурчаклари катталиклариининг нисбати 4:5 га тенг. Ромбнинг кичик бурчагини топинг.
A) 80° B) 50° C) 40° D) 60°
2549. 4.3-2 file-» 23 - 3 - - (36518)
 ABCD параллелограмм C учининг координаталари (5; 8), O(3; 6) эса параллелограмм диагоналлариининг кесишиш нуқтаси. Параллелограмм A учининг координаталарини топинг.
 A) (2; 3) B) (3; 2) C) (1; 4) D) (4; 1)
2550. 4.3-2 file-» 22 - 1 - - (36776)
 Параллелограммнинг диагонали томонлари билан 20° ва 30° ли бурчаклар ташкил қилади. Параллелограммнинг катта бурчагини топинг.
 A) 100° B) 145° C) 130° D) 110°
2551. 4.3-2 file-» 23 - 6 - - (57184)
 Бир учи (8; 2) нуқтада, ўртаси (4, 5; -5, 5) нуқтада бўлган кесманиннг иккинчи учи координаталарини топинг.
A) (1; -13) B) (0; -24) C) (0; -26)
 D) (0; 26)

2552. 4.3-2 file-» 22 - 20 - - 6 (96080)
 Тўртбурчакка диагонал ўтказиш натижасида у периметрлари 25 ва 27 га тенг бўлган иккита учбурчакка ажратилди. Агар тўртбурчакнинг периметри 36 га тенг бўлса, ўтказилган диагоналнинг узунлигини ҳисобланг.
 A) 6 **B) 8** C) 10 D) 11
2553. 4.3-2 file-» 23 - 18 - - 7 (115499)
 Параллелограммнинг диагоналлари 7 ва 24 га тенг. Унинг барча томонлари квадратларининг йиғиндисини топинг.
 A) 1250 B) 1150 C) 1350 **D) 625**
2554. 4.3-2 file-» 22 - 2 - - (315462)
 a ning qanday qiymatlarida $ax + 2y = 3$ va $3x - y = -1$ to'g'ri chiziqlar kesishadi?
 A) $a = 0$ B) $a \neq 2$ C) $a \in R$
D) $a \neq -6$
2555. 4.3-2 file-» 22 - 3 - - (315463)
 a ning qanday qiymatlarida $ax + 3y = 8$ va $y - x = 4$ to'g'ri chiziqlar parallel bo'ladi?
 A) $a = 1$ B) $a = 2$ **C) $a = -3$**
 D) $a \in R$
2556. 4.3-2 file-» 22 - 3 - - (315464)
 Qavariq to'rtburchakning burchaklaridan biri to'g'ri burchak, qolganlari esa o'zaro $6 : 5 : 4$ nisbatda. To'rtburchakning kichik burchagini toping.
 A) 60° B) 108° C) 90° **D) 72°**
2557. 4.3-2 file-» 22 - 4 - - (315465)
 a va b ning qanday qiymatlarida $ax + by = -4$ va $3x - 3y = 4$ to'g'ri chiziqlar ustma-ust tushadi?
 A) $a = 3; b = -3$ **B) $a = -3; b = 3$**
 C) $a = b = 3$ D) $a = 3; b = -1$
2558. 4.3-2 file-» 22 - 12 - - (315466)
 Romb diagonallarining tomonlari bilan hosil qilgan burchaklari kattaliklarining nisbati $4:5$ ga teng. Rombnning kichik burchagini toping.
A) 80° B) 50° C) 40° D) 60°
2559. 4.3-2 file-» 23 - 3 - - (315467)
 ABCD parallelogramm C uchining koordinatalari $(5; 8)$, $O(3; 6)$ esa parallelogramm diagonallarining kesishish nuqtasi. Parallelogramm A uchining koordinatalarini toping.
 A) $(2; 3)$ B) $(3; 2)$ **C) $(1; 4)$** D) $(4; 1)$
2560. 4.3-2 file-» 23 - 4 - - (315468)
 ABCD to'g'ri burchakli trapetsiyaning ($AD \parallel BC$ va $AB \perp AD$) kichik diagonali katta yon tomoniga teng. Trapetsiyaning kichik diagonali va kichik asosi orasidagi burchak 60° ga teng. Trapetsiyaning o'tkir burchagini toping.
 A) 40° **B) 60°** C) 30° D) 45°
2561. 4.3-2 file-» 22 - 1 - - (315469)
 Parallelogrammning diagonali tomonlari bilan 20° va 30° li burchaklar tashkil qiladi. Parallelogrammning katta burchagini toping.
 A) 100° B) 145° **C) 130°** D) 110°
2562. 4.3-2 file-» 22 - 17 - - (315470)
 \vec{a} va \vec{b} vektorlar 45° li burchak tashkil qiladi va $\vec{a} \cdot \vec{b} = 6$. Shu vektorlarga qurilgan uchburchakning yuzini hisoblang.
 A) 6 B) $3\sqrt{2}$ C) $6\sqrt{2}$ **D) 3**
2563. 4.3-2 file-» 22 - 18 - - (315471)
 Agar \vec{m} va \vec{n} vektorlar 30° li burchak tashkil etsa va $\vec{m} \cdot \vec{n} = 2\sqrt{3}$ bo'lsa, ularga qurilgan parallelogrammning yuzini hisoblang.
A) 2 B) $\frac{\sqrt{3}}{2}$ C) 1 D) $2\sqrt{3}$
2564. 4.3-2 file-» 23 - 6 - - (315472)
 Bir uchi $(8; 2)$ nuqtada, o'rtasi $(4, 5; -5, 5)$ nuqtada bo'lgan kesmaning ikkinchi uchi koordinatalarini toping.
A) $(1; -13)$ B) $(0; -24)$ C) $(0; -26)$
 D) $(0; 26)$
2565. 4.3-2 file-» 23 - 15 - - 2 (315473)
 Parallelogrammning 5 ga teng bo'lgan diagonali uning 12 ga teng bo'lgan yon tomoniga perpendikulyar. Parallelogrammning katta tomoniga tushirilgan balandligini toping.
 A) $3\frac{8}{13}$ **B) $4\frac{8}{13}$** C) $5\frac{8}{13}$ D) $4\frac{5}{13}$
2566. 4.3-2 file-» 23 - 11 - - 9 (315474)
 O'tkir burchagi 30° bo'lgan to'g'ri burchakli trapetsiya diametri 12 ga teng aylanaga tashqi chizilgan. Trapetsiyaning yuzini toping.
 A) 206 B) 240 **C) 216** D) 196
2567. 4.3-2 file-» 23 - 11 - - 9 (315475)
 \vec{m}, \vec{n} va \vec{p} birlik vektorlar berilgan. Agar $\vec{m} \perp \vec{n}$ va $\vec{n} \perp \vec{p}$ bo'lib, \vec{p} va \vec{m} vektorlar orasidagi burchak 60° ga teng bo'lsa, $(\vec{m} + 2\vec{p})(\vec{m} + 2\vec{n})$ skalyar ko'paytmaning qiymatini toping.
A) 2 B) 2,2 C) 2,4 D) 2,5

2568. 4.3-2 file-» 22 - 20 - - 6 (315476)
 To'rtburchakka diagonal o'tkazish natijasida u perimetrlari 25 va 27 ga teng bo'lgan ikkita uchburchakka ajratildi. Agar to'rtburchakning perimetri 36 ga teng bo'lsa, o'tkazilgan diagonalning uzunligini hisoblang.
 A) 6 **B) 8** C) 10 D) 11
2569. 4.3-2 file-» 22 - 20 - - 6 (315477)
 Aylanaga tashqi chizilgan to'rtburchakning uchta ketma-ket tomonlari nisbati 1:2:3 kabi. Agar to'rtburchakning perimetri 28,8 ga teng bo'lsa, uning eng kichik tomonini toping.
A) 3,6 B) 4 C) 3 D) 4,5
2570. 4.3-2 file-» 2 - 6 - - (315478)
 A(-6; -1) nuqta B(-2; 1) va C(n; 5) nuqtalardan o'tuvchi to'g'ri chiziqda yotsa, n ning qiymati nechaga teng bo'ladi?
 A) 5 B) 4 **C) 6** D) 3
2571. 4.3-2 file-» 23 - 18 - - 7 (315479)
 Parallelogrammning diagonallari 7 va 24 ga teng. Uning barcha tomonlari kvadratlarining yig'indisini toping.
 A) 1250 B) 1150 C) 1350 **D) 625**
2572. 4.3-2 file-» 32 - 2 - - 11 (315480)
 Trapetsiya asoslarining uzunliklari 28 va 10 ga teng. Trapetsiya diagonallari o'rtalarini tutashtiruvchi kesmaning uzunligini aniqlang.
 A) 8 B) 10 C) 7 **D) 9**
2573. 4.3-2 file-» 19 - 5 - - 2 (315481)
 Tomoni 12 ga va o'tkir burchagi 30° ga teng rombga ichki chizilgan aylananing diametrini toping.
A) 6 B) 7 C) 8 D) 9
2574. 4.3-2 file-» 6 - 4 - - (402051)
 Tomoni 10 sm bo'lgan rombga ichki chizilgan aylananing radiusi 3 sm. Rombning o'tkir burchagi kosinusini toping.
 A) $\frac{3}{4}$ B) $\frac{2\sqrt{2}}{3}$ **C) $\frac{4}{5}$** D) $\frac{\sqrt{3}}{2}$
2575. 4.3-2 file-» 6 - 5 - - (402052)
 Tomoni 8 sm bo'lgan rombga ichki chizilgan aylananing radiusi $\frac{3}{4}$ sm. Rombning o'tkir burchagi sinusini toping.
 A) $\frac{1}{4}$ B) $\frac{1}{2}$ C) $\frac{1}{8}$ **D) $\frac{3}{16}$**
2576. 4.3-2 file-» 6 - 6 - - (402053)
 Tomoni 20 sm bo'lgan rombga ichki chizilgan aylananing radiusi 8 sm. Rombning o'tkir burchagi kosinusini toping.
 A) $\frac{1}{4}$ B) $\frac{\sqrt{2}}{3}$ **C) $\frac{3}{5}$** D) $\frac{\sqrt{3}}{4}$
2577. 4.3-2 file-» 6 - 3 - - (402054)
 Tomoni 4 sm bo'lgan rombga ichki chizilgan aylananing radiusi $\frac{\sqrt{3}}{4}$ sm. Rombning o'tkir burchagi sinusini toping.
A) $\frac{\sqrt{3}}{8}$ B) $\frac{\sqrt{2}}{2}$ C) $\frac{\sqrt{3}}{4}$ D) $\frac{1}{2}$
2578. 4.3-2 file-» 6 - 8 - - (402055)
 Aylanaga tashqi chizilgan teng yonli trapetsiyaning asoslari 54 va $10\frac{2}{3}$ sm. Aylananing radiusi necha sm?
 A) 15 B) 16 **C) 12** D) 18
2579. 4.3-2 file-» 22 - 17 - - (402056)
 Teng yonli trapetsiyaning diagonali uning o'tkir burchagini teng ikkiga bo'ladi. Agar trapetsiyaning perimetri 66 ga, katta asosi 18 ga teng bo'lsa, uning o'rta chizig'ini toping.
 A) 14 B) 13 C) 16 **D) 17**
2580. 4.3-2 file-» 22 - 18 - - (402057)
 Teng yonli to'g'ri burchakli uchburchakka romb shunday ichki chizilganki, ularning bir burchagi umumiy, rombning qolgan uchlari esa uchburchakning tomonlarida yotadi. Agar uchburchakning kateti $\frac{1 + \sqrt{2}}{5}$ ga teng bo'lsa, rombning tomonini toping.
A) $\frac{\sqrt{2}}{5}$ B) 0,2 C) 0,4 D) $\frac{2\sqrt{2}}{5}$
2581. 4.3-2 file-» 2 - 3 - - 2 (402058)
 Trapetsiyaning yuzi 506 ga, balandligi 22 ga, asoslari ayirmasi 6 ga teng. Trapetsiya katta asosining uzunligini toping.
A) 26 B) 32 C) 28 D) 30
2582. 4.3-2 file-» 19 - 2 - - 3 (402059)
 Parallelogramm o'tkir burchagining bissektrisasi uning diagonalini uzunliklari 3,2 va 8,8 bo'lgan kesmalarga ajratadi. Agar parallelogrammning perimetri 60 ga teng bo'lsa, uning katta tomonini toping.
 A) 8 **B) 22** C) 24 D) 11

2583. 4.3-2 file-» 16 - 5 - - 12 (402060)
 $M(x, y)$ nuqtaning koordinatlari
 $2x + 4, 5y - 6\sqrt{x} - 6\sqrt{y} + 6, 5 = 0$ tenglikni
qanoatlantiradi. Agar α OM vektor va OX
o'qining musbat yo'nalishi orasidagi burchak
bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $\frac{9}{16}$ B) $\frac{4}{9}$ C) $\frac{16}{81}$ D) $\frac{8}{9}$
2584. 4.3-2 file-» 16 - 5 - - 12 (402061)
 \vec{x} va \vec{y} vektorlarning uzunliklari 11 va $\sqrt{907}$ ga,
bu vektorlar ayirmasining uzunligi 30 ga teng.
Shu vektorlar yig'indisining uzunligini toping.
A) 34 B) 64 C) 42 D) 20
2585. 4.3-2 file-» 23 - 20 - - 9 (402062)
Parallelogramm qo'shni tomonlarining yig'indisi
11 ga, ayirmasi esa 7 ga teng. Shu
parallelogramm diagonallari kvadratlarining
yig'indisini toping.
A) 164 B) 144 C) 170 D) 121
2586. 4.3-2 file-» 19 - 6 - - 8 (402063)
Agar $|\vec{a}| = 6$, $|\vec{a} + \vec{b}| = 11$ va $|\vec{a} - \vec{b}| = \sqrt{79}$ bo'lsa,
 $|\vec{b}|$ ning qiymatini hisoblang.
A) 7 B) 10 C) $2\sqrt{7}$ D) 8
2587. 4.3-2 file-» 19 - 7 - - 12 (402064)
Agar $|\vec{a}| = \sqrt{85}$, $|\vec{a} + \vec{b}| = 20$ va $|\vec{a} - \vec{b}| = 9\sqrt{2}$
bo'lsa, $|\vec{b}|$ ni toping.
A) $7\sqrt{2}$ B) 15 C) 14 D) 12
2588. 4.3-2 file-» 19 - 8 - - 6 (402065)
Agar $|\vec{a}| = 7$, $|\vec{b}| = 17$ va $|\vec{a} - \vec{b}| = \sqrt{192}$ bo'lsa,
 $|\vec{a} + \vec{b}|$ ning qiymatini toping.
A) 19 B) 20 C) 22 D) $19\sqrt{2}$
2589. 4.3-3 file-» 50 - 124 - - (704564)
Trapetsiyaning yon tomonlari 3 va 5 ga teng.
Shu trapetsiyaga aylana ichki chizilgan.
Trapetsiyaning o'rta chizig'i uni yuzlarining
nisbati 7 : 9 bo'lgan ikki qismga ajratadi.
Berilgan trapetsiyaning katta asosi uzunligini
toping.
A) 5 B) 4,5 C) 5,75 D) 5,5
2590. 4.3-3 file-» 50 - 124 - - (704565)
Trapetsiyaning yon tomonlari 4 va 11 ga teng.
Shu trapetsiyaga aylana ichki chizilgan.
Trapetsiyaning o'rta chizig'i uni yuzlarining
nisbati 7 : 13 bo'lgan ikki qismga ajratadi.
Berilgan trapetsiyaning katta asosi uzunligini
toping.
A) 13 B) 12 C) 11 D) 12,5
2591. 4.3-3 file-» 50 - 124 - - (704566)
Trapetsiyaning yon tomonlari 5 va 9 ga teng.
Shu trapetsiyaga aylana ichki chizilgan.
Trapetsiyaning o'rta chizig'i uni yuzlarining
nisbati 13 : 15 bo'lgan ikki qismga ajratadi.
Berilgan trapetsiyaning katta asosi uzunligini
toping.
A) 9,5 B) 8,5 C) 8 D) 9
2592. 4.3-3 file-» 50 - 124 - - (704567)
Trapetsiyaning yon tomonlari 5 va 7 ga teng.
Shu trapetsiyaga aylana ichki chizilgan.
Trapetsiyaning o'rta chizig'i uni yuzlarining
nisbati 11 : 13 bo'lgan ikki qismga ajratadi.
Berilgan trapetsiyaning katta asosi uzunligini
toping.
A) 6,5 B) 7,75 C) 7,5 D) 7
2593. 4.3-3 file-» 50 - 124 - - (704568)
Trapetsiyaning yon tomonlari 7 va 8 ga teng.
Shu trapetsiyaga aylana ichki chizilgan.
Trapetsiyaning o'rta chizig'i uni yuzlarining
nisbati 9 : 11 bo'lgan ikki qismga ajratadi.
Berilgan trapetsiyaning katta asosi uzunligini
toping.
A) 9 B) 8 C) 9,5 D) 10
2594. 4.3-3 file-» 50 - 124 - - (704569)
Trapetsiyaning yon tomonlari 9 va 13 ga teng.
Shu trapetsiyaga aylana ichki chizilgan.
Trapetsiyaning o'rta chizig'i uni yuzlarining
nisbati 7 : 15 bo'lgan ikki qismga ajratadi.
Berilgan trapetsiyaning katta asosi uzunligini
toping.
A) 19,5 B) 19 C) 13 D) 17
2595. 4.3-3 file-» 50 - 124 - - (704570)
Trapetsiyaning yon tomonlari 15 va 7 ga teng.
Shu trapetsiyaga aylana ichki chizilgan.
Trapetsiyaning o'rta chizig'i uni yuzlarining
nisbati 9 : 13 bo'lgan ikki qismga ajratadi.
Berilgan trapetsiyaning katta asosi uzunligini
toping.
A) 12 B) 15,5 C) 15 D) 7
2596. 4.3-3 file-» 50 - 124 - - (704571)
Trapetsiyaning yon tomonlari 3 va 7 ga teng.
Shu trapetsiyaga aylana ichki chizilgan.
Trapetsiyaning o'rta chizig'i uni yuzlarining
nisbati 9 : 11 bo'lgan ikki qismga ajratadi.
Berilgan trapetsiyaning kichik asosi uzunligini
toping.
A) 4 B) 3 C) 2 D) 4,5

2597. 4.3-3 file-» 50 - 124 - - (704572)
 Trapetsiyaning yon tomonlari 3 va 11 ga teng.
 Shu trapetsiyaga aylana ichki chizilgan.
 Trapetsiyaning o'rtta chizig'i uni yuzlarining
 nisbati 5 : 9 bo'lgan ikki qismga ajratadi.
 Berilgan trapetsiyaning kichik asosi uzunligini
 toping.
 A) 5 B) 3 C) 2,25 D) 1,5
2598. 4.3-3 file-» 50 - 124 - - (704573)
 Trapetsiyaning yon tomonlari 5 va 13 ga teng.
 Shu trapetsiyaga aylana ichki chizilgan.
 Trapetsiyaning o'rtta chizig'i uni yuzlarining
 nisbati 7 : 11 bo'lgan ikki qismga ajratadi.
 Berilgan trapetsiyaning kichik asosi uzunligini
 toping.
 A) 2,5 B) 7 C) 5 D) 3,75
2599. 4.3-3 file-» 50 - 124 - - (704574)
 Trapetsiyaning yon tomonlari 5 va 7 ga teng.
 Shu trapetsiyaga aylana ichki chizilgan.
 Trapetsiyaning o'rtta chizig'i uni yuzlarining
 nisbati 11 : 13 bo'lgan ikki qismga ajratadi.
 Berilgan trapetsiyaning kichik asosi uzunligini
 toping.
 A) 3,75 B) 2,5 C) 5,5 D) 5
2600. 4.3-3 file-» 50 - 124 - - (704575)
 Trapetsiyaning yon tomonlari 7 va 8 ga teng.
 Shu trapetsiyaga aylana ichki chizilgan.
 Trapetsiyaning o'rtta chizig'i uni yuzlarining
 nisbati 9 : 11 bo'lgan ikki qismga ajratadi.
 Berilgan trapetsiyaning kichik asosi uzunligini
 toping.
A) 6 B) 4,5 C) 3 D) 6,75
2601. 4.3-3 file-» 50 - 124 - - (704576)
 Trapetsiyaning yon tomonlari 7 va 15 ga teng.
 Shu trapetsiyaga aylana ichki chizilgan.
 Trapetsiyaning o'rtta chizig'i uni yuzlarining
 nisbati 9 : 13 bo'lgan ikki qismga ajratadi.
 Berilgan trapetsiyaning kichik asosi uzunligini
 toping.
 A) 9 B) 7 C) 5,25 D) 3,5
2602. 4.3-3 file-» 50 - 124 - - (704577)
 Trapetsiyaning yon tomonlari 15 va 9 ga teng.
 Shu trapetsiyaga aylana ichki chizilgan.
 Trapetsiyaning o'rtta chizig'i uni yuzlarining
 nisbati 11 : 13 bo'lgan ikki qismga ajratadi.
 Berilgan trapetsiyaning kichik asosi uzunligini
 toping.
 A) 5 B) 11 C) 10 D) 7,5
2603. 4.3-3 file-» 50 - 124 - - (704578)
 Trapetsiya o'rtta chizig'i uzunligi 12 ga, katta
 asosidagi burchaklari 30° va 60° ga teng.
 Trapetsiyaning asoslari o'rtalarini tutashtiruvchi
 kesmaning uzunligi 1 ga teng. Trapetsiyaning
 katta asosi uzunligini toping.
 A) 12 B) 15 C) 13 D) 14
2604. 4.3-3 file-» 50 - 124 - - (704579)
 Trapetsiya o'rtta chizig'i uzunligi 15 ga, katta
 asosidagi burchaklari 30° va 60° ga teng.
 Trapetsiyaning asoslari o'rtalarini tutashtiruvchi
 kesmaning uzunligi 2 ga teng. Trapetsiyaning
 katta asosi uzunligini toping.
 A) 18 B) 16 C) 19 D) 17
2605. 4.3-3 file-» 50 - 124 - - (704580)
 Trapetsiya o'rtta chizig'i uzunligi 10 ga, katta
 asosidagi burchaklari 30° va 60° ga teng.
 Trapetsiyaning asoslari o'rtalarini tutashtiruvchi
 kesmaning uzunligi 3 ga teng. Trapetsiyaning
 katta asosi uzunligini toping.
A) 13 B) 14 C) 12 D) 15
2606. 4.3-3 file-» 50 - 124 - - (704581)
 Trapetsiya o'rtta chizig'i uzunligi 17 ga, katta
 asosidagi burchaklari 30° va 60° ga teng.
 Trapetsiyaning asoslari o'rtalarini tutashtiruvchi
 kesmaning uzunligi 4 ga teng. Trapetsiyaning
 katta asosi uzunligini toping.
 A) 23 B) 21 C) 22 D) 20
2607. 4.3-3 file-» 50 - 124 - - (704582)
 Trapetsiya o'rtta chizig'i uzunligi 8 ga, katta
 asosidagi burchaklari 30° va 60° ga teng.
 Trapetsiyaning asoslari o'rtalarini tutashtiruvchi
 kesmaning uzunligi 5 ga teng. Trapetsiyaning
 katta asosi uzunligini toping.
 A) 12 B) 15 C) 13 D) 14
2608. 4.3-3 file-» 50 - 124 - - (704583)
 Trapetsiya o'rtta chizig'i uzunligi 19 ga, katta
 asosidagi burchaklari 30° va 60° ga teng.
 Trapetsiyaning asoslari o'rtalarini tutashtiruvchi
 kesmaning uzunligi 6 ga teng. Trapetsiyaning
 katta asosi uzunligini toping.
 A) 26 B) 24 C) 27 D) 25
2609. 4.3-3 file-» 50 - 124 - - (704584)
 Trapetsiya o'rtta chizig'i uzunligi 6 ga, katta
 asosidagi burchaklari 30° va 60° ga teng.
 Trapetsiyaning asoslari o'rtalarini tutashtiruvchi
 kesmaning uzunligi 7 ga teng. Trapetsiyaning
 katta asosi uzunligini toping.
A) 13 B) 14 C) 12 D) 15

2610. 4.3-3 file-» 50 - 124 - - (704585)
 Trapetsiya o'rtta chizig'i uzunligi 21 ga, katta asosidagi burchaklari 30° va 60° ga teng. Trapetsiyaning asoslari o'rtalarini tutashtiruvchi kesmaning uzunligi 8 ga teng. Trapetsiyaning katta asosi uzunligini toping.
 A) 31 **B) 29** C) 30 D) 28
2611. 4.3-3 file-» 50 - 124 - - (704586)
 Trapetsiya o'rtta chizig'i uzunligi 7 ga, katta asosidagi burchaklari 30° va 60° ga teng. Trapetsiyaning asoslari o'rtalarini tutashtiruvchi kesmaning uzunligi 1 ga teng. Trapetsiyaning kichik asosi uzunligini toping.
A) 6 B) 7 C) 5 D) 4
2612. 4.3-3 file-» 50 - 124 - - (704587)
 Trapetsiya o'rtta chizig'i uzunligi 8 ga, katta asosidagi burchaklari 30° va 60° ga teng. Trapetsiyaning asoslari o'rtalarini tutashtiruvchi kesmaning uzunligi 2 ga teng. Trapetsiyaning kichik asosi uzunligini toping.
 A) 4 **B) 6** C) 7 D) 5
2613. 4.3-3 file-» 50 - 124 - - (704588)
 Trapetsiya o'rtta chizig'i uzunligi 9 ga, katta asosidagi burchaklari 30° va 60° ga teng. Trapetsiyaning asoslari o'rtalarini tutashtiruvchi kesmaning uzunligi 3 ga teng. Trapetsiyaning kichik asosi uzunligini toping.
 A) 5 B) 4 **C) 6** D) 7
2614. 4.3-3 file-» 50 - 124 - - (704589)
 Trapetsiya o'rtta chizig'i uzunligi 10 ga, katta asosidagi burchaklari 30° va 60° ga teng. Trapetsiyaning asoslari o'rtalarini tutashtiruvchi kesmaning uzunligi 4 ga teng. Trapetsiyaning kichik asosi uzunligini toping.
 A) 7 B) 5 C) 4 **D) 6**
2615. 4.3-3 file-» 50 - 124 - - (704590)
 Trapetsiya o'rtta chizig'i uzunligi 11 ga, katta asosidagi burchaklari 30° va 60° ga teng. Trapetsiyaning asoslari o'rtalarini tutashtiruvchi kesmaning uzunligi 5 ga teng. Trapetsiyaning kichik asosi uzunligini toping.
A) 6 B) 7 C) 5 D) 4
2616. 4.3-3 file-» 50 - 124 - - (704591)
 Trapetsiya o'rtta chizig'i uzunligi 12 ga, katta asosidagi burchaklari 30° va 60° ga teng. Trapetsiyaning asoslari o'rtalarini tutashtiruvchi kesmaning uzunligi 6 ga teng. Trapetsiyaning kichik asosi uzunligini toping.
 A) 4 **B) 6** C) 7 D) 5
2617. 4.3-3 file-» 50 - 124 - - (704592)
 Trapetsiya o'rtta chizig'i uzunligi 13 ga, katta asosidagi burchaklari 30° va 60° ga teng. Trapetsiyaning asoslari o'rtalarini tutashtiruvchi kesmaning uzunligi 7 ga teng. Trapetsiyaning kichik asosi uzunligini toping.
 A) 5 B) 4 **C) 6** D) 7
2618. 4.3-3 file-» 50 - 124 - - (704593)
 Trapetsiya o'rtta chizig'i uzunligi 14 ga, katta asosidagi burchaklari 30° va 60° ga teng. Trapetsiyaning asoslari o'rtalarini tutashtiruvchi kesmaning uzunligi 8 ga teng. Trapetsiyaning kichik asosi uzunligini toping.
 A) 7 B) 5 C) 4 **D) 6**
2619. 4.3-3 file-» 51 - 1 - - (719578)
 To'g'ri burchakli trapetsiyaning asoslari 10 va 19 ga, yuzi 174 ga teng. Trapetsiyaning perimetrini toping.
A) 56 B) 58 C) 46 D) 57
2620. 4.3-3 file-» 51 - 2 - - (719579)
 Rombning diagonallari yig'indisi q ga, yuzi S ga teng. Uning tomoni uzunligini toping.
A) $\frac{1}{2}\sqrt{q^2 - 4S}$ B) $\frac{1}{4}\sqrt{q^2 - S}$
 C) $3\sqrt{S - q^2}$ D) $\frac{1}{6}\sqrt{4S - q^2}$
2621. 4.3-3 file-» 51 - 2 - - (719580)
 O'tkir burchagi α ga teng bo'lgan teng yonli trapetsiyaga doira ichki chizilgan. Doira yuzining trapetsiya yuziga nisbatini toping.
A) $\frac{\pi \sin \alpha}{4}$ B) $\frac{4}{\pi \sin \alpha}$ C) $\frac{\pi tg \alpha}{5}$
 D) $\frac{5}{\pi tg \alpha}$
2622. 4.3-3 file-» 51 - 2 - - (719581)
 To'g'ri burchakli trapetsiyaning asoslari 7 va 31 ga, katta yon tomoni esa 25 ga teng. Trapetsiyaning perimetrini toping.
A) 70 B) 63 C) 87 D) 80
2623. 4.3-3 file-» 51 - 2 - - (719582)
 Tomonlari 9, 10 va 17 bo'lgan uchburchakning eng katta balandligini toping.
 A) 7 B) 10 C) 9 **D) 8**
2624. 4.3-3 file-» 58 - 1 - - (719583)
 $ABCD$ trapetsiyaning yon tomoni $AB = 4\sqrt{3}$ ga, A burchakning AK bissektrisasi 4 ga teng ($K \in CD$, $DK = KC$). BK kesmaning uzunligini toping.
 A) $4\sqrt{3}$ B) $2\sqrt{13}$ **C) $4\sqrt{2}$** D) 6

2625. 4.3-3 file-» 50 - 131 - - (719584)
To'g'ri burchakli trapetsiyaning asoslari 7 va 11 ga, yuzi esa 27 ga teng. Shu trapetsiyaning perimetrini toping.
A) 21 B) 23 C) 26 D) 36
2626. 4.3-3 file-» 50 - 131 - - (719585)
To'g'ri burchakli trapetsiyaning asoslari 8 va 11 ga, yuzi esa 38 ga teng. Shu trapetsiyaning perimetrini toping.
A) 38 B) 23 C) 24 D) 28
2627. 4.3-3 file-» 50 - 131 - - (719586)
To'g'ri burchakli trapetsiyaning asoslari 8 va 12 ga, yuzi esa 30 ga teng. Shu trapetsiyaning perimetrini toping.
A) 28 B) 40 C) 23 D) 25
2628. 4.3-3 file-» 50 - 131 - - (719587)
To'g'ri burchakli trapetsiyaning asoslari 9 va 12 ga, yuzi esa 42 ga teng. Shu trapetsiyaning perimetrini toping.
A) 26 B) 30 C) 42 D) 25
2629. 4.3-3 file-» 50 - 131 - - (719588)
To'g'ri burchakli trapetsiyaning asoslari 9 va 13 ga, yuzi esa 33 ga teng. Shu trapetsiyaning perimetrini toping.
A) 25 B) 27 C) 30 D) 44
2630. 4.3-3 file-» 50 - 131 - - (719589)
To'g'ri burchakli trapetsiyaning asoslari 10 va 7 ga, yuzi esa 34 ga teng. Shu trapetsiyaning perimetrini toping.
A) 34 B) 21 C) 22 D) 26
2631. 4.3-3 file-» 50 - 131 - - (719590)
To'g'ri burchakli trapetsiyaning asoslari 10 va 13 ga, yuzi esa 46 ga teng. Shu trapetsiyaning perimetrini toping.
A) 32 B) 46 C) 27 D) 28
2632. 4.3-3 file-» 50 - 131 - - (719591)
To'g'ri burchakli trapetsiyaning asoslari 10 va 14 ga, yuzi esa 36 ga teng. Shu trapetsiyaning perimetrini toping.
A) 29 B) 32 C) 48 D) 27
2633. 4.3-3 file-» 50 - 131 - - (719592)
To'g'ri burchakli trapetsiyaning asoslari 11 va 7 ga, yuzi esa 27 ga teng. Shu trapetsiyaning perimetrini toping.
A) 21 B) 23 C) 26 D) 36
2634. 4.3-3 file-» 50 - 131 - - (719593)
To'g'ri burchakli trapetsiyaning asoslari 11 va 8 ga, yuzi esa 38 ga teng. Shu trapetsiyaning perimetrini toping.
A) 38 B) 23 C) 24 D) 28
2635. 4.3-3 file-» 50 - 131 - - (719594)
To'g'ri burchakli trapetsiyaning asoslari 11 va 14 ga, yuzi esa 50 ga teng. Shu trapetsiyaning perimetrini toping.
A) 34 B) 50 C) 29 D) 30
2636. 4.3-3 file-» 50 - 131 - - (719595)
To'g'ri burchakli trapetsiyaning asoslari 11 va 15 ga, yuzi esa 39 ga teng. Shu trapetsiyaning perimetrini toping.
A) 31 B) 34 C) 52 D) 29
2637. 4.3-3 file-» 50 - 131 - - (719596)
To'g'ri burchakli trapetsiyaning asoslari 12 va 8 ga, yuzi esa 30 ga teng. Shu trapetsiyaning perimetrini toping.
A) 23 B) 25 C) 28 D) 40
2638. 4.3-3 file-» 50 - 131 - - (719597)
To'g'ri burchakli trapetsiyaning asoslari 12 va 9 ga, yuzi esa 42 ga teng. Shu trapetsiyaning perimetrini toping.
A) 42 B) 25 C) 26 D) 30
2639. 4.3-3 file-» 50 - 131 - - (719598)
To'g'ri burchakli trapetsiyaning asoslari 12 va 16 ga, yuzi esa 42 ga teng. Shu trapetsiyaning perimetrini toping.
A) 36 B) 56 C) 31 D) 33
2640. 4.3-3 file-» 50 - 131 - - (719599)
To'g'ri burchakli trapetsiyaning asoslari 13 va 9 ga, yuzi esa 33 ga teng. Shu trapetsiyaning perimetrini toping.
A) 27 B) 30 C) 44 D) 25
2641. 4.3-3 file-» 50 - 131 - - (719600)
To'g'ri burchakli trapetsiyaning asoslari 13 va 10 ga, yuzi esa 46 ga teng. Shu trapetsiyaning perimetrini toping.
A) 27 B) 28 C) 32 D) 46
2642. 4.3-3 file-» 50 - 131 - - (719601)
To'g'ri burchakli trapetsiyaning asoslari 13 va 17 ga, yuzi esa 45 ga teng. Shu trapetsiyaning perimetrini toping.
A) 60 B) 33 C) 35 D) 38
2643. 4.3-3 file-» 50 - 131 - - (719602)
To'g'ri burchakli trapetsiyaning asoslari 14 va 10 ga, yuzi esa 36 ga teng. Shu trapetsiyaning perimetrini toping.
A) 32 B) 48 C) 27 D) 29
2644. 4.3-3 file-» 50 - 131 - - (719603)
To'g'ri burchakli trapetsiyaning asoslari 14 va 11 ga, yuzi esa 50 ga teng. Shu trapetsiyaning perimetrini toping.
A) 30 B) 34 C) 50 D) 29

2645. 4.3-3 file-» 50 - 131 - - (719604)
То'g'ri burchakli trapetsiyaning asoslari 14 va 18 ga, yuzi esa 48 ga teng. Shu trapetsiyaning perimetrini toping.
A) 35 B) 37 C) 40 D) 64
2646. 4.3-3 file-» 50 - 131 - - (719605)
То'g'ri burchakli trapetsiyaning asoslari 15 va 11 ga, yuzi esa 39 ga teng. Shu trapetsiyaning perimetrini toping.
A) 52 B) 29 C) 31 D) 34
2647. 4.3-3 file-» 50 - 131 - - (719606)
То'g'ri burchakli trapetsiyaning asoslari 16 va 12 ga, yuzi esa 42 ga teng. Shu trapetsiyaning perimetrini toping.
A) 36 B) 56 C) 31 D) 33
2648. 4.3-3 file-» 50 - 131 - - (719607)
То'g'ri burchakli trapetsiyaning asoslari 17 va 13 ga, yuzi esa 45 ga teng. Shu trapetsiyaning perimetrini toping.
A) 35 B) 38 C) 60 D) 33
2649. 4.3-3 file-» 50 - 131 - - (719608)
То'g'ri burchakli trapetsiyaning asoslari 18 va 14 ga, yuzi esa 48 ga teng. Shu trapetsiyaning perimetrini toping.
A) 35 B) 37 C) 40 D) 64
2650. 4.3-4 file-» 23 - 4 - - (36571)
ABCD tўғри бурчакли трапециянинг ($AD \parallel BC$ ва $AB \perp AD$) кичик диагонали катта ён томонига тенг. Трапециянинг кичик диагонали ва кичик асоси орасидаги бурчак 60° га тенг. Трапециянинг ўткир бурчагини топинг.
A) 40° B) 60° C) 30° D) 45°
2651. 4.3-4 file-» 22 - 17 - - (56998)
 \vec{a} ва \vec{b} векторлар 45° ли бурчак ташкил қилади ва $\vec{a} \cdot \vec{b} = 6$. Шу векторларга қурилган учбурчакнинг юзини ҳисобланг.
A) 6 B) $3\sqrt{2}$ C) $6\sqrt{2}$ D) 3
2652. 4.3-4 file-» 22 - 18 - - (57058)
Агар \vec{m} ва \vec{n} векторлар 30° ли бурчак ташкил этса ва $\vec{m} \cdot \vec{n} = 2\sqrt{3}$ бўлса, уларга қурилган параллелограммнинг юзини ҳисобланг.
A) 2 B) $\frac{\sqrt{3}}{2}$ C) 1 D) $2\sqrt{3}$
2653. 4.3-4 file-» 23 - 15 - - 2 (64333)
Параллелограммнинг 5 га тенг бўлган диагонали унинг 12 га тенг бўлган ён томонига перпендикуляр.
Параллелограммнинг катта томонига туширилган баландлигини топинг.
A) $3\frac{8}{13}$ B) $4\frac{8}{13}$ C) $5\frac{8}{13}$ D) $4\frac{5}{13}$
2654. 4.3-4 file-» 23 - 11 - - 9 (70997)
Ўткир бурчаги 30° бўлган тўғри бурчакли трапеция диаметри 12 га тенг айланага ташқи чизилган. Трапециянинг юзини топинг.
A) 206 B) 240 C) 216 D) 196
2655. 4.3-4 file-» 23 - 11 - - 9 (71003)
 \vec{m}, \vec{n} ва \vec{p} бирлик векторлар берилган. Агар $\vec{m} \perp \vec{n}$ ва $\vec{n} \perp \vec{p}$ бўлиб, \vec{p} ва \vec{m} векторлар орасидаги бурчак 60° га тенг бўлса, $(\vec{m} + 2\vec{p})(\vec{m} + 2\vec{n})$ скаляр қўпайтманинг қийматини топинг.
A) 2 B) 2,2 C) 2,4 D) 2,5
2656. 4.3-4 file-» 22 - 20 - - 6 (96088)
Айланага ташқи чизилган тўртбурчакнинг учта кетма-кет томонлари нисбати 1:2:3 каби. Агар тўртбурчакнинг периметри 28,8 га тенг бўлса, унинг энг кичик томонини топинг.
A) 3,6 B) 4 C) 3 D) 4,5
2657. 4.3-4 file-» 2 - 6 - - (108290)
 $A(-6; -1)$ нуқта $B(-2; 1)$ ва $C(n; 5)$ нуқталардан ўтувчи тўғри чизиқда ётса, n нинг қиймати нечага тенг бўлади?
A) 5 B) 4 C) 6 D) 3
2658. 4.3-4 file-» 32 - 2 - - 11 (119920)
Трапеция асосларининг узунликлари 28 ва 10 га тенг. Трапеция диагоналлари ўрталарини тугаштирувчи кесманинг узунлигини аниқланг.
A) 8 B) 10 C) 7 D) 9
2659. 4.3-4 file-» 19 - 5 - - 2 (123045)
Томони 12 га ва ўткир бурчаги 30° га тенг ромбга ички чизилган айлананинг диаметрини топинг.
A) 6 B) 7 C) 8 D) 9
2660. 4.4-3 file-» 22 - 13 - - (36325)
Тенг ёнли трапециянинг асослари 21 ва 27 га, кичик асосидаги бурчаги эса 135° га тенг. Трапециянинг юзини топинг.
A) 72 B) 62 C) 96 D) 84

2661. 4.4-3 file-» 22 - 15 - - (36424)
Тенг ёнли трапециянинг асослари 8 ва 26 га, ён томони эса 15 га тенг. Трапециянинг юзини ҳисобланг.
A) 184 B) 102 C) 204 D) 255
2662. 4.4-3 file-» 22 - 1 - - (36771)
Тенг ёнли трапециянинг асослари 10 ва 18 га, асосидаги бурчаги 60° га тенг. Шу трапециянинг юзини ҳисобланг.
A) $36\sqrt{3}$ B) $56\sqrt{3}$ C) $46\sqrt{3}$ D) $28\sqrt{3}$
2663. 4.4-3 file-» 22 - 1 - - (36775)
Ромбнинг юзи 120 га, диагоналларида бири 24 га тенг. Унинг томонини топинг.
A) 10 B) 13 C) 8 D) 14
2664. 4.4-3 file-» 6 - 7 - - (56447)
Кичик диагонали $24\sqrt{3}$ бўлган мунтазам олтибурчакка ташқи чизилган айлананинг радиусини топинг.
A) $24\sqrt{3}$ B) $12\sqrt{3}$ C) 12 D) 24
2665. 4.4-3 file-» 6 - 7 - - (56448)
Мунтазам олтибурчакка ташқи чизилган айлананинг радиуси $8\sqrt{3}$ га тенг. Унинг параллель томонлари орасидаги масофа топилсин.
A) 18 B) 12 C) 24 D) 16
2666. 4.4-3 file-» 6 - 8 - - (56506)
Мунтазам олтибурчакка ташқи чизилган айлананинг радиуси $4\sqrt{3}$ га тенг. Унинг кичик диагоналини топинг.
A) $6\sqrt{6}$ B) 12 C) 6 D) $3\sqrt{6}$
2667. 4.4-3 file-» 6 - 8 - - (56507)
Айлананинг радиуси 8 га тенг. Айланага ички чизилган мунтазам учбурчакнинг юзини топинг.
A) 64 B) $36\sqrt{2}$ C) $27\sqrt{3}$ D) $48\sqrt{3}$
2668. 4.4-3 file-» 16 - 1 - - (56834)
Икки томони йиғиндиси 1,8 га ва улар орасидаги бурчаги 150° га тенг бўлган учбурчаклар ичида юзаси энг катта бўлган учбурчакнинг юзини топинг.
A) $\frac{9}{10}$ B) $\frac{4}{25}$ C) $\frac{81}{100}$ D) $\frac{81}{400}$
2669. 4.4-3 file-» 23 - 5 - - (57119)
Айланага ички чизилган мунтазам олти бурчакнинг томони 12 га тенг. Шу айланага квадрат ҳам ички чизилган. Квадратга ички чизилган доиранинг юзини топинг.
A) 72π B) 90π C) 48π D) 36π
2670. 4.4-3 file-» 22 - 13 - - (315482)
Тенг ёнли трапезиянинг асослари 21 ва 27 га, кичик асосидаги бурчаги эса 135° га тенг. Трапезиянинг юзини топинг.
A) 72 B) 62 C) 96 D) 48
2671. 4.4-3 file-» 22 - 14 - - (315483)
Тенг ёнли трапезиянинг асослари 7 ва 25 га, diagonali эса 20 га тенг. Трапезиянинг юзини hisoblang.
A) 182 B) 160 C) 128 D) 192
2672. 4.4-3 file-» 22 - 15 - - (315484)
Тенг ёнли трапезиянинг асослари 8 ва 26 га, yon tomoni эса 15 га тенг. Трапезиянинг юзини hisoblang.
A) 184 B) 102 C) 204 D) 255
2673. 4.4-3 file-» 22 - 1 - - (315485)
Тенг ёнли трапезиянинг асослари 10 ва 18 га, асосидаги бурчаги 60° га тенг. Shu трапезиянинг юзини hisoblang.
A) $36\sqrt{3}$ B) $56\sqrt{3}$ C) $46\sqrt{3}$ D) $28\sqrt{3}$
2674. 4.4-3 file-» 22 - 1 - - (315486)
Perimetrlari 24 va 36 bo'lgan ikki o'xshash uchburchakdan birining yuzi ikkinchisidan 12,5 ga ortiq. Kichik uchburchakning yuzini toping.
A) 10 B) 9 C) 8 D) 12
2675. 4.4-3 file-» 22 - 1 - - (315487)
Rombning yuzi 120 ga, diagonallaridan biri 24 ga teng. Uning tomonini toping.
A) 10 B) 13 C) 8 D) 14
2676. 4.4-3 file-» 6 - 7 - - (315488)
Kichik diagonalni $24\sqrt{3}$ bo'lgan muntazam oltiburchakka tashqi chizilgan aylananing radiusini toping.
A) $24\sqrt{3}$ B) $12\sqrt{3}$ C) 12 D) 24
2677. 4.4-3 file-» 6 - 7 - - (315489)
Muntazam oltiburchakka tashqi chizilgan aylananing radiusi $8\sqrt{3}$ ga teng. Uning parallel tomonlari orasidagi masofa topilsin.
A) 18 B) 12 C) 24 D) 16
2678. 4.4-3 file-» 6 - 8 - - (315490)
Muntazam oltiburchakka tashqi chizilgan aylananing radiusi $4\sqrt{3}$ ga teng. Uning kichik diagonalini toping.
A) $6\sqrt{6}$ B) 12 C) 6 D) $3\sqrt{6}$
2679. 4.4-3 file-» 6 - 8 - - (315491)
Aylananing radiusi 8 ga teng. Aylanaga ichki chizilgan muntazam uchburchakning yuzini toping.
A) 64 B) $36\sqrt{2}$ C) $27\sqrt{3}$ D) $48\sqrt{3}$

2680. 4.4-3 file-» 16 - 1 - - (315492)
Ikki tomoni yig'indisi 1,8 ga va ular orasidagi burchagi 150° ga teng bo'lgan uchburchaklar ichida yuzasi eng katta bo'lgan uchburchakning yuzini toping.
A) $\frac{9}{10}$ B) $\frac{4}{25}$ C) $\frac{81}{100}$ **D) $\frac{81}{400}$**
2681. 4.4-3 file-» 23 - 5 - - (315493)
Aylanaga ichki chizilgan muntazam olti burchakning tomoni 12 ga teng. Shu aylanaga kvadrat ham ichki chizilgan. Kvadratga ichki chizilgan doiraning yuzini toping.
A) 72π B) 90π C) 48π D) 36π
2682. 4.4-3 file-» 23 - 9 - - (315494)
Doiraga tashqi chizilgan teng yonli trapetsiyaning perimetri 52 ga teng. Agar doiraning radiusi 5 ga teng bo'lsa, trapetsiyaning yuzi qanchaga teng bo'ladi?
A) 110 B) 120 **C) 130** D) 100
2683. 4.4-3 file-» 19 - 1 - - 3 (315495)
 ABC uchburchakning AB va AC tomonlarida shunday K va N nuqtalar olindiki, $AK = \frac{1}{3}AB$ ga va $AN = \frac{2}{3}AC$ ga teng bo'ldi. ABC uchburchakning yuzi 54 ga teng. AKN uchburchakning yuzini toping.
A) 4 B) 6 C) 9 **D) 12**
2684. 4.4-3 file-» 16 - 3 - - 5 (315496)
 BC va AD - trapetsiyaning asoslari; O - AC va BD diagonallarining kesishish nuqtasi. BOC va AOD uchburchaklarning yuzlari mos ravishda 16 va 25 ga teng. Trapetsiyaning yuzini toping.
A) 256 **B) 81** C) 75 D) 123
2685. 4.4-3 file-» 22 - 19 - - 4 (315497)
Balandliklari $6\sqrt{3}$ va 7 ga, ular orasidagi burchagi 60° ga teng parallelogrammning yuzini toping.
A) $63\sqrt{3}$ B) 63 **C) 84** D) 96
2686. 4.4-3 file-» 23 - 17 - - 7 (315498)
 $ABCD$ parallelogrammning A burchagi 30° ga teng. A burchakning bissektrisasi BC tomonni E nuqtada kesib o'tadi. Agar $BE = 6$ va $EC = 2$ bo'lsa, parallelogrammning yuzini toping.
A) 24 B) 16 C) 18 D) 12
2687. 4.4-3 file-» 23 - 19 - - 2 (315499)
Teng yonli trapetsiyaning diagonali yon tomoniga perpendikulyar. Uning o'tmas uchidan tushirilgan balandligi 6 ga teng va asosini 4:1 nisbatda bo'ladi. Trapetsiyaning yuzini toping.
A) 60 B) 64 **C) 72** D) 50
2688. 4.4-3 file-» 23 - 18 - - 7 (315500)
Teng yonli trapetsiyaning diagonallari o'zaro perpendikulyar. Trapetsiyaning katta asosi $18\sqrt{3}$ ga, kichik asosi esa $6\sqrt{3}$ ga teng. Trapetsiyaning yuzini toping.
A) 216 B) 422 C) 288 **D) 432**
2689. 4.4-3 file-» 22 - 23 - - 6 (315501)
Rombning diagonallari 9 va 12 ga teng. Unga ichki chizilgan doira yuzining romb yuziga nisbatini toping.
A) $\pi : 4$ B) $3\pi : 16$ **C) $6\pi : 25$**
D) $9\pi : 25$
2690. 4.4-3 file-» 22 - 4 - - (402066)
To'g'ri burchakli uchburchak gipotenuzasi 25 sm, katta katetning gipotenuzadagi proyeksiyasi 16 sm. Shu uchburchak yuzini toping.
A) 216 B) 206 **C) 150** D) 300
2691. 4.4-3 file-» 22 - 11 - - (402067)
Ikkita o'xshash uchburchakning perimetrlari 18 va 36 ga, yuzlarining yig'indisi 52,5 ga teng. Katta uchburchakning yuzini toping.
A) 36 B) 24 C) 48 **D) 42**
2692. 4.4-3 file-» 22 - 12 - - (402068)
Yuzlari 8 va 32 bo'lgan ikkita o'xshash uchburchak perimetrlarining yig'indisi 57 ga teng. Kichik uchburchakning perimetrini toping.
A) 12 B) 16 C) 20 **D) 19**
2693. 4.4-3 file-» 22 - 2 - - (402069)
To'g'ri burchakli uchburchak kateti 16 sm, uning gipotenuzadagi proyeksiyasi esa 12,8 sm. Shu uchburchakning yuzi necha sm^2 ?
A) 54 B) 48 **C) 96** D) 84
2694. 4.4-3 file-» 13 - 3 - - (402070)
Rombning uchidan tushirilgan balandligi uning tomonini, o'tkir burchagi uchidan boshlab hisoblaganda, 6 va 4 ga teng kesmalarga bo'ladi. Rombning yuzini toping.
A) 40 B) 20 **C) 80** D) 48
2695. 4.4-3 file-» 22 - 17 - - (402071)
Teng yonli uchburchakning perimetri 48 ga teng. Asosi yon tomonidan 1,2 marta katta. Uchburchakning yuzini toping.
A) 48 B) 96 C) 54 **D) 108**
2696. 4.4-3 file-» 12 - 2 - - 7 (402072)
Rombning yuzi 216 ga, perimetri 60 ga teng. Uning diagonallari yig'indisini toping.
A) 32 B) 48 **C) 42** D) 40

2697. 4.4-3 file-» 2 - 3 - - 2 (402073)
 To'g'ri burchakli uchburchakka ichki chizilgan aylananing urinish nuqtasi gipotenuzadan uzunliklari 6 va 9 ga teng kesmalar ajratadi. Uchburchakning yuzini toping.
A) 54 B) 48 C) 30 D) 36
2698. 4.4-3 file-» 32 - 2 - - 11 (402074)
 To'g'ri burchakli uchburchakka ichki chizilgan aylananing urinish nuqtasi gipotenuzani 8 va 12 ga teng kesmalarga ajratadi. Uchburchakning yuzini toping.
 A) 84 B) 24 **C) 96** D) 48
2699. 4.4-3 file-» 32 - 2 - - 11 (402075)
ABC uchburchakda medianalar kesishgan nuqtadan *AB* tomongacha bo'lgan masofa $1\frac{1}{3}$ ga teng. Agar $AB = 8$ bo'lsa, *ABC* uchburchakning yuzini toping.
 A) 12 **B) 16** C) 9 D) 13
2700. 4.4-3 file-» 2 - 42 - - 5 (402076)
 To'g'ri burchakli uchburchakning perimetri 168 ga, gipotenuzasi 74 ga teng. Bu uchburchakning yuzini toping.
 A) 1040 **B) 840** C) 630 D) 820
2701. 4.4-3 file-» 34 - 1 - - 7 (402077)
 Uchburchakning yuzi 4 ga, ikkita tomoni 3 va 4 ga teng. Berilgan tomonlar orasidagi burchak bissektrisasi ajratgan uchburchaklarning yuzlarini toping.
 A) $\frac{2}{3}; \frac{10}{3}$ B) $\frac{1}{2}; \frac{7}{2}$ C) 1; 3 **D) $\frac{12}{7}; \frac{16}{7}$**
2702. 4.4-3 file-» 2 - 43 - - 8 (402078)
 Rombning perimetri 104 ga, diagonallarining yig'indisi 68 ga teng. Rombning yuzini toping.
 A) 360 **B) 480** C) 540 D) 120
2703. 4.4-3 file-» 2 - 43 - - 8 (402079)
 Aylanaga ichki chizilgan muntazam uchburchakning tomoni 9 ga teng. Shu aylanaga ichki chizilgan kvadratning yuzini toping.
A) 54 B) 45 C) 48 D) 36
2704. 4.4-3 file-» 16 - 13 - - 7 (402080)
 To'g'ri burchakli uchburchakning katetlaridan biri boshqasiga qaraganda 2 marta katta. Shu uchburchakning gipotenuzasiga tushirilgan balandligi 12 ga teng. Uchburchakning yuzini toping.
A) 180 B) 108 C) 120 D) 96
2705. 4.4-3 file-» 50 - 125 - - (704594)
 To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 2 va 3 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.
 A) 60 B) 50 **C) 30** D) 25
2706. 4.4-3 file-» 50 - 125 - - (704595)
 To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 3 va 4 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.
 A) 73,5 B) 168 C) 147 **D) 84**
2707. 4.4-3 file-» 50 - 125 - - (704596)
 To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 3 va 5 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.
A) 60 B) 48 C) 120 D) 96
2708. 4.4-3 file-» 50 - 125 - - (704597)
 To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 4 va 5 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.
 A) 324 **B) 180** C) 162 D) 360
2709. 4.4-3 file-» 50 - 125 - - (704598)
 To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 5 va 6 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.
 A) 660 B) 604 **C) 330** D) 302
2710. 4.4-3 file-» 50 - 125 - - (704599)
 To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 5 va 7 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.
 A) 180 B) 420 C) 360 **D) 210**

2711. 4.4-3 file-» 50 - 125 - - (704600)
 To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 7 va 9 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.
A) 504 B) 448 C) 1008 D) 896
2712. 4.4-3 file-» 50 - 125 - - (704601)
 To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 6 va 14 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.
 A) 300 **B) 210** C) 150 D) 420
2713. 4.4-3 file-» 50 - 125 - - (704602)
 To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 10 va 18 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.
 A) 1260 B) 980 **C) 630** D) 490
2714. 4.4-3 file-» 50 - 125 - - (704603)
 To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 4 va 20 bo'lgan kesmalarga ajratadi. Uchburchakning yuzini hisoblang.
 A) 100 B) 240 C) 200 **D) 120**
2715. 4.4-3 file-» 50 - 125 - - (704604)
 Teng yonli uchburchakning asosi 6 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.
 A) 9 B) 4,5 **C) $3\sqrt{3}$** D) $9\sqrt{3}$
2716. 4.4-3 file-» 50 - 125 - - (704605)
 Teng yonli uchburchakning asosi 12 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.
 A) $36\sqrt{3}$ B) 36 C) 18 **D) $12\sqrt{3}$**
2717. 4.4-3 file-» 50 - 125 - - (704606)
 Teng yonli uchburchakning asosi 18 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.
A) $27\sqrt{3}$ B) $81\sqrt{3}$ C) 81 D) 40,5
2718. 4.4-3 file-» 50 - 125 - - (704607)
 Teng yonli uchburchakning asosi 24 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.
 A) 72 **B) $48\sqrt{3}$** C) $144\sqrt{3}$ D) 144
2719. 4.4-3 file-» 50 - 125 - - (704608)
 Teng yonli uchburchakning asosi 30 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.
 A) 225 B) 112,5 **C) $75\sqrt{3}$** D) $225\sqrt{3}$
2720. 4.4-3 file-» 50 - 125 - - (704609)
 Teng yonli uchburchakning asosi 36 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.
 A) $324\sqrt{3}$ B) 324 C) 162 **D) $108\sqrt{3}$**
2721. 4.4-3 file-» 50 - 125 - - (704610)
 Teng yonli uchburchakning asosi 42 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.
A) $147\sqrt{3}$ B) $441\sqrt{3}$ C) 441 D) 220,5
2722. 4.4-3 file-» 50 - 125 - - (704611)
 Teng yonli uchburchakning asosi 48 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.
 A) 288 **B) $192\sqrt{3}$** C) $576\sqrt{3}$ D) 576
2723. 4.4-3 file-» 50 - 125 - - (704612)
 Teng yonli uchburchakning asosi 54 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.
 A) 729 B) 364,5 **C) $243\sqrt{3}$** D) $729\sqrt{3}$
2724. 4.4-3 file-» 50 - 125 - - (704613)
 Teng yonli uchburchakning asosi 60 ga, uning asosiga tushirilgan balandligi esa asosi va yon tomonlarining o'rtalarini tutashtiruvchi kesmaning uzunligiga teng. Berilgan uchburchakning yuzini toping.
 A) $900\sqrt{3}$ B) 900 C) 450 **D) $300\sqrt{3}$**

2725. 4.4-3 file-» 50 - 125 - - (704614)
Tomonining uzunligi $12 + 6\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.
A) 81 B) 162 C) 216 **D) 108**
2726. 4.4-3 file-» 50 - 125 - - (704615)
Tomonining uzunligi $14 + 7\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.
A) 147 B) 110,25 C) 220,5 D) 294
2727. 4.4-3 file-» 50 - 125 - - (704616)
Tomonining uzunligi $16 + 8\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.
A) 384 **B) 192** C) 144 D) 288
2728. 4.4-3 file-» 50 - 125 - - (704617)
Tomonining uzunligi $18 + 9\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.
A) 364,5 B) 486 **C) 243** D) 182,25
2729. 4.4-3 file-» 50 - 125 - - (704618)
Tomonining uzunligi $20 + 10\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.
A) 225 B) 450 C) 600 **D) 300**
2730. 4.4-3 file-» 50 - 125 - - (704619)
Tomonining uzunligi $22 + 11\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.
A) 363 B) 272,25 C) 544,5 D) 726
2731. 4.4-3 file-» 50 - 125 - - (704620)
Tomonining uzunligi $24 + 12\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.
A) 864 **B) 432** C) 324 D) 648
2732. 4.4-3 file-» 50 - 125 - - (704621)
Tomonining uzunligi $26 + 13\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.
A) 760,5 B) 1014 **C) 507** D) 380,25
2733. 4.4-3 file-» 50 - 125 - - (704622)
Tomonining uzunligi $28 + 14\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.
A) 441 B) 882 C) 1176 **D) 588**
2734. 4.4-3 file-» 50 - 125 - - (704623)
Tomonining uzunligi $30 + 15\sqrt{3}$ ga teng muntazam uchburchakka ichki chizilgan kvadratning yuzini toping.
A) 675 B) 506,25 C) 1012 D) 1350
2735. 4.4-3 file-» 51 - 1 - - (719609)
Perimetri 164 ga, diagonallari yig'indisi 98 ga teng bo'lgan rombning yuzini toping.
A) 420 B) 620 **C) 720** D) 820
2736. 4.4-3 file-» 51 - 1 - - (719610)
Rombning diagonallari 3:4 kabi nisbatda. Romb yuzining unga ichki chizilgan doira yuziga nisbatini toping.
A) $\frac{9}{\pi}$ B) $\frac{16}{\pi}$ C) $\frac{9}{4\pi}$ **D) $\frac{25}{6\pi}$**
2737. 4.4-3 file-» 58 - 1 - - (719611)
Trapetsiyaning diagonallari 17 va 10 ga, balandligi 8 ga teng. Uning yuzini toping.
A) 96 B) 92 **C) 84** D) 88
2738. 4.4-3 file-» 50 - 132 - - (719612)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 2 va 10 bo'lgan, kesmalarga ajratadi. Uchburchakning perimetrini toping.
A) 60 B) 54 **C) 30** D) 27
2739. 4.4-3 file-» 50 - 132 - - (719613)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 3 va 21 bo'lgan, kesmalarga ajratadi. Uchburchakning perimetrini toping.
A) 52 B) 112 C) 104 **D) 56**
2740. 4.4-3 file-» 50 - 132 - - (719614)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 3 va 12 bo'lgan, kesmalarga ajratadi. Uchburchakning perimetrini toping.
A) 40 B) 35 C) 80 D) 70
2741. 4.4-3 file-» 50 - 132 - - (719615)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 4 va 36 bo'lgan, kesmalarga ajratadi. Uchburchakning perimetrini toping.
A) 170 **B) 90** C) 85 D) 180

2742. 4.4-3 file-» 50 - 132 - - (719616)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 5 va 55 bo'lgan, kesmalarga ajratadi. Uchburchakning perimetrini toping.
A) 264 B) 252 C) 132 D) 126
2743. 4.4-3 file-» 50 - 132 - - (719617)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 5 va 30 bo'lgan, kesmalarga ajratadi. Uchburchakning perimetrini toping.
A) 77 B) 168 C) 154 D) 84
2744. 4.4-3 file-» 50 - 132 - - (719618)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 7 va 56 bo'lgan, kesmalarga ajratadi. Uchburchakning perimetrini toping.
A) 144 B) 135 C) 288 D) 270
2745. 4.4-3 file-» 50 - 132 - - (719619)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 6 va 15 bo'lgan, kesmalarga ajratadi. Uchburchakning perimetrini toping.
A) 112 B) 70 C) 56 D) 140
2746. 4.4-3 file-» 50 - 132 - - (719620)
To'g'ri burchakli uchburchakka aylana ichki chizilgan. Shu aylana urinish nuqtasida uning katetlaridan birini to'g'ri burchak uchidan boshlab hisoblaganda uzunliklari 10 va 35 bo'lgan, kesmalarga ajratadi. Uchburchakning perimetrini toping.
A) 252 B) 216 C) 126 D) 108
2747. 4.4-3 file-» 50 - 132 - - (719621)
Asoslari 2 va 18 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.
A) 27 B) 30 C) 13,5 D) 60
2748. 4.4-3 file-» 50 - 132 - - (719622)
Asoslari 3 va 12 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.
A) 45 B) 27 C) 22,5 D) 13,5
2749. 4.4-3 file-» 50 - 132 - - (719623)
Asoslari 4 va 9 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.
A) 13,5 B) 39 C) 27 D) 19,5
2750. 4.4-3 file-» 50 - 132 - - (719624)
Asoslari 4 va 16 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.
A) 40 B) 32 C) 80 D) 64
2751. 4.4-3 file-» 50 - 132 - - (719625)
Asoslari 2 va 32 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.
A) 64 B) 68 C) 32 D) 136
2752. 4.4-3 file-» 50 - 132 - - (719626)
Asoslari 2 va 50 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.
A) 260 B) 125 C) 130 D) 62,5
2753. 4.4-3 file-» 50 - 132 - - (719627)
Asoslari 4 va 25 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.
A) 62,5 B) 145 C) 125 D) 72,5
2754. 4.4-3 file-» 50 - 132 - - (719628)
Asoslari 5 va 20 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.
A) 72,5 B) 62,5 C) 125 D) 115
2755. 4.4-3 file-» 50 - 132 - - (719629)
Asoslari 4 va 36 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.
A) 216 B) 120 C) 108 D) 240
2756. 4.4-3 file-» 50 - 132 - - (719630)
Asoslari 6 va 24 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.
A) 180 B) 216 C) 90 D) 108
2757. 4.4-3 file-» 50 - 132 - - (719631)
Asoslari 8 va 18 ga teng bo'lgan teng yonli trapetsiyaga aylana ichki chizilgan. Shu trapetsiyaning yuzini toping.
A) 108 B) 156 C) 216 D) 78
2758. 4.4-4 file-» 22 - 14 - - (36374)
Тенг ёнли трапециянинг асослари 7 ва 25 га, диагонали эса 20 га тенг. Трапециянинг юзини ҳисобланг.
A) 182 B) 160 C) 128 D) 192

2759. 4.4-4 file-» 22 - 1 - - (36774)
 Периметрлари 24 ва 36 бўлган икки ўхшаш учбурчакдан бирининг юзи иккинчисиникидан 12,5 га ортиқ. Кичик учбурчакнинг юзини топинг.
A) 10 B) 9 C) 8 D) 12
2760. 4.4-4 file-» 23 - 9 - - (57214)
 Доирага ташқи чизилган тенг ёнли трапециянинг периметри 52 га тенг. Агар доиранинг радиуси 5 га тенг бўлса, трапециянинг юзи қанчага тенг бўлади?
 A) 110 B) 120 C) 130 D) 100
2761. 4.4-4 file-» 19 - 1 - - 3 (68361)
ABC учбурчакнинг *AB* ва *AC* томонларида шундай *K* ва *N* нуқталар олиндики, $AK = \frac{1}{3}AB$ га ва $AN = \frac{2}{3}AC$ га тенг бўлди. *ABC* учбурчакнинг юзи 54 га тенг. *AKN* учбурчакнинг юзини топинг.
 A) 4 B) 6 C) 9 D) 12
2762. 4.4-4 file-» 16 - 3 - - 5 (69053)
BC ва *AD* - трапециянинг асослари; *O* - *AC* ва *BD* диагоналлarning кесишиш нуқтаси. *BOC* ва *AOD* учбурчакларнинг юзлари мос равишда 16 ва 25 га тенг. Трапециянинг юзини топинг.
 A) 256 B) 81 C) 75 D) 123
2763. 4.4-4 file-» 22 - 19 - - 4 (69951)
 Баландликлари $6\sqrt{3}$ ва 7 га, улар орасидаги бурчаги 60° га тенг параллелограммнинг юзини топинг.
 A) $63\sqrt{3}$ B) 63 C) 84 D) 96
2764. 4.4-4 file-» 23 - 17 - - 7 (94304)
ABCD параллелограммнинг *A* бурчаги 30° га тенг. *A* бурчакнинг биссектрисаси *BC* томонни *E* нуқтада кесиб ўтади. Агар $BE = 6$ ва $EC = 2$ бўлса, параллелограммнинг юзини топинг.
A) 24 B) 16 C) 18 D) 12
2765. 4.4-4 file-» 23 - 19 - - 2 (109081)
 Тенг ёнли трапециянинг диагонали ён томонига перпендикуляр. Унинг ўтмас учидан туширилган баландлиги 6 га тенг ва асосини 4:1 нисбатда бўлади. Трапециянинг юзини топинг.
 A) 60 B) 64 C) 72 D) 50
2766. 4.4-4 file-» 23 - 18 - - 7 (115498)
 Тенг ёнли трапециянинг диагоналлари ўзаро перпендикуляр. Трапециянинг катта асоси $18\sqrt{3}$ га, кичик асоси эса $6\sqrt{3}$ га тенг. Трапециянинг юзини топинг.
 A) 216 B) 422 C) 288 D) 432
2767. 4.4-4 file-» 22 - 23 - - 6 (134339)
 Ромбнинг диагоналлари 9 ва 12 га тенг. Унга ички чизилган доира юзининг ромб юзига нисбатини топинг.
 A) $\pi : 4$ B) $3\pi : 16$ C) $6\pi : 25$ D) $9\pi : 25$
2768. 5.1-1 file-» 50 - 21 - - (182946)
 Текисликка туширилган оғманинг узунлиги 125 га, унинг текисликдаги проекцияси эса 35 га тенг. Оғма ва текислик орасидаги бурчакни топинг.
 A) $\arcsin \frac{24}{25}$ B) $\arccos \frac{12}{25}$ C) $\arcsin \frac{7}{25}$
 D) $\arctg \frac{7}{48}$
2769. 5.1-1 file-» 50 - 21 - - (182947)
 Текисликка туширилган оғманинг узунлиги 75 га, унинг текисликдаги проекцияси эса 60 га тенг. Оғма ва текислик орасидаги бурчакни топинг.
 A) $\arccos \frac{3}{10}$ B) $\arcsin \frac{3}{5}$ C) $\arcsin \frac{4}{5}$
 D) $\arcsin \frac{3}{4}$
2770. 5.1-1 file-» 50 - 21 - - (182948)
 Текисликка туширилган оғманинг узунлиги 75 га, унинг текисликдаги проекцияси эса 72 га тенг. Оғма ва текислик орасидаги бурчакни топинг.
 A) $\arcsin \frac{24}{25}$ B) $\arccos \frac{7}{50}$ C) $\arcsin \frac{7}{25}$
 D) $\arcsin \frac{7}{24}$
2771. 5.1-1 file-» 50 - 103 - - (205885)
 Текисликка оғма ва перпендикуляр туширилган. Оғманинг текисликдаги проекцияси 11 га, перпендикулярнинг узунлиги 60 га тенг. Оғма ва перпендикуляр орасидаги бурчакни топинг.
A) $\arcsin \frac{11}{61}$ B) $\arccos \frac{11}{60}$ C) $\arctg \frac{60}{61}$
 D) $\arcsin \frac{11}{60}$
2772. 5.1-1 file-» 50 - 103 - - (205886)
 Текисликка оғма ва перпендикуляр туширилган. Оғманинг текисликдаги проекцияси 60 га, перпендикулярнинг узунлиги 11 га тенг. Оғма ва перпендикуляр орасидаги бурчакни топинг.
 A) $\arcsin \frac{60}{61}$ B) $\arccos \frac{11}{60}$ C) $\arctg \frac{11}{61}$
 D) $\arcsin \frac{11}{60}$

2773. 5.1-1 file-» 50 - 103 - - (205887)
 Текисликка оғма ва перпендикуляр туширилган. Оғманинг текисликдаги проекцияси 20 га, перпендикулярнинг узунлиги 21 га тенг. Оғма ва перпендикуляр орасидаги бурчакни топинг.
 A) $\arcsin \frac{20}{29}$ B) $\arccos \frac{20}{21}$ C) $\arctg \frac{21}{29}$
D) $\arcsin \frac{20}{21}$
2774. 5.1-1 file-» 50 - 103 - - (205888)
 Текисликка оғма ва перпендикуляр туширилган. Оғманинг текисликдаги проекцияси 21 га, перпендикулярнинг узунлиги 20 га тенг. Оғма ва перпендикуляр орасидаги бурчакни топинг.
 A) $\arcsin \frac{21}{29}$ B) $\arccos \frac{20}{21}$ C) $\arctg \frac{20}{29}$
D) $\arcsin \frac{20}{21}$
2775. 5.1-1 file-» 50 - 103 - - (205889)
 Текисликка туширилган оғма ва перпендикуляр орасидаги бурчак $\arcsin \frac{12}{13}$ га тенг. Оғманинг узунлиги 39 га тенг. Перпендикулярнинг узунлигини топинг.
 A) 15 B) 36 C) $16\frac{1}{4}$ D) 30
2776. 5.1-1 file-» 50 - 103 - - (205890)
 Текисликка туширилган оғма ва перпендикуляр орасидаги бурчак $\arcsin \frac{5}{13}$ га тенг. Оғманинг узунлиги 39 га тенг. Перпендикулярнинг узунлигини топинг.
 A) $11\frac{7}{13}$ B) 72 C) $27\frac{9}{13}$ D) 36
2777. 5.1-1 file-» 50 - 103 - - (205891)
 Текисликка туширилган оғма ва перпендикуляр орасидаги бурчак $\arcsin \frac{24}{25}$ га тенг. Оғманинг узунлиги 75 га тенг. Перпендикулярнинг узунлигини топинг.
 A) $10\frac{1}{2}$ B) 72 C) 21 D) $21\frac{7}{8}$
2778. 5.1-1 file-» 50 - 103 - - (205892)
 Текисликка туширилган оғма ва перпендикуляр орасидаги бурчак $\arcsin \frac{7}{25}$ га тенг. Оғманинг узунлиги 75 га тенг. Перпендикулярнинг узунлигини топинг.
 A) 36 B) 21 C) $31\frac{1}{2}$ D) 72
2779. 5.1-1 file-» 50 - 103 - - (205893)
 Текисликка оғма ва перпендикуляр туширилган. Оғма ва текислик орасидаги бурчак $\arccos \frac{3}{5}$ га, оғманинг текисликдаги проекцияси 24 га тенг. Перпендикулярнинг узунлигини топинг.
A) 32 B) $19\frac{1}{5}$ C) 16 D) 72
2780. 5.1-1 file-» 50 - 103 - - (205894)
 Текисликка оғма ва перпендикуляр туширилган. Оғма ва текислик орасидаги бурчак $\arccos \frac{4}{5}$ га, оғманинг текисликдаги проекцияси 36 га тенг. Перпендикулярнинг узунлигини топинг.
 A) $21\frac{3}{5}$ B) 27 C) $28\frac{4}{5}$ D) 48
2781. 5.1-1 file-» 50 - 103 - - (205895)
 Текисликка оғма ва перпендикуляр туширилган. Оғма ва текислик орасидаги бурчак $\arccos 0,96$ га, оғманинг текисликдаги проекцияси 72 га тенг. Перпендикулярнинг узунлигини топинг.
 A) $20\frac{4}{25}$ B) 42 C) 21 D) $10\frac{2}{25}$
2782. 5.1-1 file-» 50 - 103 - - (205896)
 Оғма ва текислик орасидаги бурчак $\arccos 0,28$ га, оғманинг текисликдаги проекцияси 21 га тенг. Перпендикулярнинг узунлигини топинг.
 A) $5\frac{22}{25}$ B) 36 C) $20\frac{4}{25}$ D) 72
2783. 5.1-1 file-» 50 - 21 - - (315502)
 Tekislikka tushirilgan og‘maning uzunligi 125 ga, uning tekislikdagi proyeksiyasi esa 35 ga teng. Og‘ma va tekislik orasidagi burchakni toping.
 A) $\arcsin \frac{24}{25}$ B) $\arccos \frac{12}{25}$ C) $\arcsin \frac{7}{25}$
D) $\arctg \frac{7}{48}$
2784. 5.1-1 file-» 50 - 21 - - (315503)
 Tekislikka tushirilgan og‘maning uzunligi 75 ga, uning tekislikdagi proyeksiyasi esa 60 ga teng. Og‘ma va tekislik orasidagi burchakni toping.
 A) $\arccos \frac{3}{10}$ B) $\arcsin \frac{3}{5}$ C) $\arcsin \frac{4}{5}$
 D) $\arcsin \frac{3}{4}$

2785. 5.1-1 file-» 50 - 21 - - (315504)
 Tekislikka tushirilgan og‘maning uzunligi 75 ga, uning tekislikdagi proyeksiyasi esa 72 ga teng. Og‘ma va tekislik orasidagi burchakni toping.
 A) $\arcsin \frac{24}{25}$ B) $\arccos \frac{7}{50}$ C) $\arcsin \frac{7}{25}$
 D) $\arcsin \frac{7}{24}$
2786. 5.1-1 file-» 50 - 103 - - (315505)
 Tekislikka og‘ma va perpendikulyar tushirilgan. Og‘maning tekislikdagi proyeksiyasi 11 ga, perpendikulyarning uzunligi 60 ga teng. Og‘ma va perpendikulyar orasidagi burchakni toping.
 A) $\arcsin \frac{11}{61}$ B) $\arccos \frac{11}{60}$ C) $\arctg \frac{60}{61}$
 D) $\arcsin \frac{11}{60}$
2787. 5.1-1 file-» 50 - 103 - - (315506)
 Tekislikka og‘ma va perpendikulyar tushirilgan. Og‘maning tekislikdagi proyeksiyasi 60 ga, perpendikulyarning uzunligi 11 ga teng. Og‘ma va perpendikulyar orasidagi burchakni toping.
 A) $\arcsin \frac{60}{61}$ B) $\arccos \frac{11}{60}$ C) $\arctg \frac{11}{61}$
 D) $\arcsin \frac{11}{60}$
2788. 5.1-1 file-» 50 - 103 - - (315507)
 Tekislikka og‘ma va perpendikulyar tushirilgan. Og‘maning tekislikdagi proyeksiyasi 20 ga, perpendikulyarning uzunligi 21 ga teng. Og‘ma va perpendikulyar orasidagi burchakni toping.
 A) $\arcsin \frac{20}{29}$ B) $\arccos \frac{20}{21}$ C) $\arctg \frac{21}{29}$
 D) $\arcsin \frac{20}{21}$
2789. 5.1-1 file-» 50 - 103 - - (315508)
 Tekislikka og‘ma va perpendikulyar tushirilgan. Og‘maning tekislikdagi proyeksiyasi 21 ga, perpendikulyarning uzunligi 20 ga teng. Og‘ma va perpendikulyar orasidagi burchakni toping.
 A) $\arcsin \frac{21}{29}$ B) $\arccos \frac{20}{21}$ C) $\arctg \frac{20}{29}$
 D) $\arcsin \frac{20}{21}$
2790. 5.1-1 file-» 50 - 103 - - (315509)
 Tekislikka tushirilgan og‘ma va perpendikulyar orasidagi burchak $\arcsin \frac{12}{13}$ ga teng. Og‘maning uzunligi 39 ga teng. Perpendikulyarning uzunligini toping.
 A) 15 B) 36 C) $16\frac{1}{4}$ D) 30
2791. 5.1-1 file-» 50 - 103 - - (315510)
 Tekislikka tushirilgan og‘ma va perpendikulyar orasidagi burchak $\arcsin \frac{5}{13}$ ga teng. Og‘maning uzunligi 39 ga teng. Perpendikulyarning uzunligini toping.
 A) $11\frac{7}{13}$ B) 72 C) $27\frac{9}{13}$ D) 36
2792. 5.1-1 file-» 50 - 103 - - (315511)
 Tekislikka tushirilgan og‘ma va perpendikulyar orasidagi burchak $\arcsin \frac{24}{25}$ ga teng. Og‘maning uzunligi 75 ga teng. Perpendikulyarning uzunligini toping.
 A) $10\frac{1}{2}$ B) 72 C) 21 D) $21\frac{7}{8}$
2793. 5.1-1 file-» 50 - 103 - - (315512)
 Tekislikka tushirilgan og‘ma va perpendikulyar orasidagi burchak $\arcsin \frac{7}{25}$ ga teng. Og‘maning uzunligi 75 ga teng. Perpendikulyarning uzunligini toping.
 A) 36 B) 21 C) $31\frac{1}{2}$ D) 72
2794. 5.1-1 file-» 50 - 103 - - (315513)
 Tekislikka og‘ma va perpendikulyar tushirilgan. Og‘ma va tekislik orasidagi burchak $\arccos \frac{3}{5}$ ga, og‘maning tekislikdagi proyeksiyasi 24 ga teng. Perpendikulyarning uzunligini toping.
 A) 32 B) $19\frac{1}{5}$ C) 16 D) 72
2795. 5.1-1 file-» 50 - 103 - - (315514)
 Tekislikka og‘ma va perpendikulyar tushirilgan. Og‘ma va tekislik orasidagi burchak $\arccos \frac{4}{5}$ ga, og‘maning tekislikdagi proyeksiyasi 36 ga teng. Perpendikulyarning uzunligini toping.
 A) $21\frac{3}{5}$ B) 27 C) $28\frac{4}{5}$ D) 48
2796. 5.1-1 file-» 50 - 103 - - (315515)
 Tekislikka og‘ma va perpendikulyar tushirilgan. Og‘ma va tekislik orasidagi burchak $\arccos 0,96$ ga, og‘maning tekislikdagi proyeksiyasi 72 ga teng. Perpendikulyarning uzunligini toping.
 A) $20\frac{4}{25}$ B) 42 C) 21 D) $10\frac{2}{25}$

2797. 5.1-1 file-» 50 - 103 - - (315516)
Og'ma va tekislik orasidagi burchak $\arccos 0,28$ ga, og'maning tekislikdagi proyeksiyasi 21 ga teng. Perpendikulyarning uzunligini toping.
A) $5\frac{22}{25}$ B) 36 C) $20\frac{4}{25}$ **D) 72**
2798. 5.1-1 file-» 50 - 103 - - (704624)
Tekislikka og'ma va perpendikular tushirilgan. Og'maning tekislikdagi proyeksiyasi 11 ga, perpendikularning uzunligi 60 ga teng. Og'ma va perpendikular orasidagi burchakni toping.
A) $\arcsin \frac{11}{61}$ B) $\arccos \frac{11}{60}$ C) $\arctg \frac{60}{61}$
D) $\arcsin \frac{11}{60}$
2799. 5.1-1 file-» 50 - 103 - - (704625)
Tekislikka og'ma va perpendikular tushirilgan. Og'maning tekislikdagi proyeksiyasi 60 ga, perpendikularning uzunligi 11 ga teng. Og'ma va perpendikular orasidagi burchakni toping.
A) $\arcsin \frac{60}{61}$ B) $\arccos \frac{11}{60}$ C) $\arctg \frac{11}{61}$
D) $\arcsin \frac{11}{60}$
2800. 5.1-1 file-» 50 - 103 - - (704626)
Tekislikka og'ma va perpendikular tushirilgan. Og'maning tekislikdagi proyeksiyasi 20 ga, perpendikularning uzunligi 21 ga teng. Og'ma va perpendikular orasidagi burchakni toping.
A) $\arcsin \frac{20}{29}$ B) $\arccos \frac{20}{21}$ C) $\arctg \frac{21}{29}$
D) $\arcsin \frac{20}{21}$
2801. 5.1-1 file-» 50 - 103 - - (704627)
Tekislikka og'ma va perpendikular tushirilgan. Og'maning tekislikdagi proyeksiyasi 21 ga, perpendikularning uzunligi 20 ga teng. Og'ma va perpendikular orasidagi burchakni toping.
A) $\arcsin \frac{21}{29}$ B) $\arccos \frac{20}{21}$ C) $\arctg \frac{20}{29}$
D) $\arcsin \frac{20}{21}$
2802. 5.1-1 file-» 50 - 103 - - (704628)
Tekislikka tushirilgan og'ma va perpendikular orasidagi burchak $\arcsin \frac{12}{13}$ ga teng. Og'maning uzunligi 39 ga teng. Perpendikularning uzunligini toping.
A) 15 B) 36 C) $16\frac{1}{4}$ D) 30
2803. 5.1-1 file-» 50 - 103 - - (704629)
Tekislikka tushirilgan og'ma va perpendikular orasidagi burchak $\arcsin \frac{5}{13}$ ga teng. Og'maning uzunligi 39 ga teng. Perpendikularning uzunligini toping.
A) $11\frac{7}{13}$ B) 72 C) $27\frac{9}{13}$ **D) 36**
2804. 5.1-1 file-» 50 - 103 - - (704630)
Tekislikka tushirilgan og'ma va perpendikular orasidagi burchak $\arcsin \frac{24}{25}$ ga teng. Og'maning uzunligi 75 ga teng. Perpendikularning uzunligini toping.
A) $10\frac{1}{2}$ B) 72 **C) 21** D) $21\frac{7}{8}$
2805. 5.1-1 file-» 50 - 103 - - (704631)
Tekislikka tushirilgan og'ma va perpendikular orasidagi burchak $\arcsin \frac{7}{25}$ ga teng. Og'maning uzunligi 75 ga teng. Perpendikularning uzunligini toping.
A) 36 B) 21 C) $31\frac{1}{2}$ **D) 72**
2806. 5.1-1 file-» 50 - 103 - - (704632)
Tekislikka og'ma va perpendikular tushirilgan. Og'ma va tekislik orasidagi burchak $\arccos \frac{3}{5}$ ga, og'maning tekislikdagi proyeksiyasi 24 ga teng. Perpendikularning uzunligini toping.
A) 32 B) $19\frac{1}{5}$ C) 16 D) 72
2807. 5.1-1 file-» 50 - 103 - - (704633)
Tekislikka og'ma va perpendikular tushirilgan. Og'ma va tekislik orasidagi burchak $\arccos \frac{4}{5}$ ga, og'maning tekislikdagi proyeksiyasi 36 ga teng. Perpendikularning uzunligini toping.
A) $21\frac{3}{5}$ **B) 27** C) $28\frac{4}{5}$ D) 48
2808. 5.1-1 file-» 50 - 103 - - (704634)
Tekislikka og'ma va perpendikular tushirilgan. Og'ma va tekislik orasidagi burchak $\arccos 0,96$ ga, og'maning tekislikdagi proyeksiyasi 72 ga teng. Perpendikularning uzunligini toping.
A) $20\frac{4}{25}$ B) 42 **C) 21** D) $10\frac{2}{25}$

2809. 5.1-1 file-» 50 - 103 - - (704635)
Og'ma va tekislik orasidagi burchak $\arccos 0,28$ ga, og'maning tekislikdagi proyeksiyasi 21 ga teng. Perpendikularning uzunligini toping.
A) $5\frac{22}{25}$ B) 36 C) $20\frac{4}{25}$ D) 72
2810. 5.1-1 file-» 50 - 103 - - (704636)
Tekislikka tushirilgan og'maning uzunligi 75 ga, uning tekislikdagi proyeksiyasi esa 72 ga teng. Og'ma va tekislik orasidagi burchakni toping.
A) $\arcsin\frac{24}{25}$ B) $\arccos\frac{12}{25}$ C) $\arcsin\frac{7}{25}$
D) $\arctg\frac{7}{48}$
2811. 5.1-1 file-» 50 - 103 - - (704637)
Tekislikka tushirilgan og'maning uzunligi 45 ga, uning tekislikdagi proyeksiyasi esa 27 ga teng. Og'ma va tekislik orasidagi burchakni toping.
A) $\arccos\frac{3}{10}$ B) $\arcsin\frac{3}{5}$ C) $\arcsin\frac{4}{5}$
D) $\arcsin\frac{3}{4}$
2812. 5.1-1 file-» 50 - 103 - - (704638)
Tekislikka tushirilgan og'maning uzunligi 50 ga, uning tekislikdagi proyeksiyasi esa 14 ga teng. Og'ma va tekislik orasidagi burchakni toping.
A) $\arcsin\frac{24}{25}$ B) $\arccos\frac{7}{50}$ C) $\arcsin\frac{7}{25}$
D) $\arcsin\frac{7}{24}$
2813. 5.1-1 file-» 50 - 21 - - (719632)
Tekislikka og'ma va perpendikular tushirilgan. Og'maning tekislikdagi proyeksiyasi 11 ga, perpendikularning uzunligi 60 ga teng. Og'ma va perpendikular orasidagi burchakni toping.
A) $\arcsin\frac{11}{61}$ B) $\arccos\frac{22}{61}$ C) $\arcsin\frac{60}{61}$
D) $\arctg\frac{11}{60}$
2814. 5.1-1 file-» 50 - 21 - - (719633)
Tekislikka og'ma va perpendikular tushirilgan. Og'maning tekislikdagi proyeksiyasi 12 ga, perpendikularning uzunligi 35 ga teng. Og'ma va perpendikular orasidagi burchakni toping.
A) $\arccos\frac{24}{37}$ B) $\arcsin\frac{12}{37}$ C) $\arcsin\frac{35}{37}$
D) $\arctg\frac{35}{12}$
2815. 5.1-1 file-» 50 - 21 - - (719634)
Tekislikka og'ma va perpendikular tushirilgan. Og'maning tekislikdagi proyeksiyasi 63 ga, perpendikularning uzunligi 16 ga teng. Og'ma va perpendikular orasidagi burchakni toping.
A) $\arcsin\frac{16}{65}$ B) $\arccos\frac{32}{65}$ C) $\arcsin\frac{63}{65}$
D) $\arctg\frac{63}{65}$
2816. 5.1-1 file-» 50 - 21 - - (719635)
Tekislikka og'ma va perpendikular tushirilgan. Og'maning tekislikdagi proyeksiyasi 45 ga, perpendikularning uzunligi 28 ga teng. Og'ma va perpendikular orasidagi burchakni toping.
A) $\arcsin\frac{28}{53}$ B) $\arccos\frac{14}{53}$ C) $\arctg\frac{45}{28}$
D) $\arcsin\frac{45}{53}$
2817. 5.1-1 file-» 50 - 21 - - (719636)
Tekislikka tushirilgan og'ma va perpendikular orasidagi burchak $\arcsin\frac{11}{61}$ ga teng. Og'maning uzunligi 122 ga teng. Perpendikularning uzunligini toping.
A) 120 B) 22 C) 90 D) 24
2818. 5.1-1 file-» 50 - 21 - - (719637)
Tekislikka tushirilgan og'ma va perpendikular orasidagi burchak $\arcsin\frac{12}{37}$ ga teng. Og'maning uzunligi 74 ga teng. Perpendikularning uzunligini toping.
A) 24 B) 70 C) 48 D) 54
2819. 5.1-1 file-» 50 - 21 - - (719638)
Tekislikka tushirilgan og'ma va perpendikular orasidagi burchak $\arcsin\frac{16}{65}$ ga teng. Og'maning uzunligi 130 ga teng. Perpendikularning uzunligini toping.
A) 64 B) 96 C) 126 D) 32
2820. 5.1-1 file-» 50 - 21 - - (719639)
Tekislikka tushirilgan og'ma va perpendikular orasidagi burchak $\arcsin\frac{20}{29}$ ga teng. Og'maning uzunligi 58 ga teng. Perpendikularning uzunligini toping.
A) 40 B) 80 C) 33 D) 42
2821. 5.1-1 file-» 50 - 21 - - (719640)
Tekislikka og'ma va perpendikular tushirilgan. Og'ma va tekislik orasidagi burchak $\arccos\frac{7}{25}$ ga, og'maning tekislikdagi proyeksiyasi 14 ga teng. Perpendikularning uzunligini toping.
A) 48 B) 14 C) 36 D) 28

2822. 5.1-1 file-» 50 - 21 - - (719641)
 Tekislikka og'ma va perpendikular tushirilgan.
 Og'ma va tekislik orasidagi burchak $\arccos \frac{15}{17}$ ga,
 og'maning tekislikdagi proyeksiyasi 30 ga teng.
 Perpendikularning uzunligini toping.
 A) 30 **B) 16** C) 23 D) 32
2823. 5.1-1 file-» 50 - 21 - - (719642)
 Tekislikka og'ma va perpendikular tushirilgan.
 Og'ma va tekislik orasidagi burchak $\arccos \frac{40}{41}$ ga,
 og'maning tekislikdagi proyeksiyasi 80 ga teng.
 Perpendikularning uzunligini toping.
 A) 40 B) 36 **C) 18** D) 30
2824. 5.1-1 file-» 50 - 21 - - (719643)
 Tekislikka og'ma va perpendikular tushirilgan.
 Og'ma va tekislik orasidagi burchak $\arccos \frac{60}{61}$ ga,
 og'maning tekislikdagi proyeksiyasi 120 ga teng.
 Perpendikularning uzunligini toping.
 A) $\frac{49}{25}$ B) 12 C) $\frac{168}{25}$ **D) 22**
2825. 5.1-1 file-» 50 - 21 - - (719644)
 Tekislikka tushirilgan og'maning uzunligi 125 ga,
 uning tekislikdagi proyeksiyasi esa 35 ga teng.
 Og'ma va tekislik orasidagi burchakni toping.
 A) $\arcsin \frac{24}{25}$ B) $\arccos \frac{12}{25}$ C) $\arcsin \frac{7}{25}$
 D) $\arctg \frac{7}{48}$
2826. 5.1-1 file-» 50 - 21 - - (719645)
 Tekislikka tushirilgan og'maning uzunligi 75 ga,
 uning tekislikdagi proyeksiyasi esa 60 ga teng.
 Og'ma va tekislik orasidagi burchakni toping.
 A) $\arccos \frac{3}{10}$ **B) $\arcsin \frac{3}{5}$** C) $\arcsin \frac{4}{5}$
 D) $\arcsin \frac{3}{4}$
2827. 5.1-1 file-» 50 - 21 - - (719646)
 Tekislikka tushirilgan og'maning uzunligi 75 ga,
 uning tekislikdagi proyeksiyasi esa 72 ga teng.
 Og'ma va tekislik orasidagi burchakni toping.
 A) $\arcsin \frac{24}{25}$ B) $\arccos \frac{7}{50}$ **C) $\arcsin \frac{7}{25}$**
 D) $\arcsin \frac{7}{24}$
2828. 5.2-1 file-» 6 - 3 - - (14044)
 O xz текислигига нисбатан (1; 2; 3) нуқтага
 симметриқ бўлган нуқтани топинг.
 A) (-1; 2; 3) B) (-1; -2; 3) C) (1; 2; -3)
D) (1; -2; 3)
2829. 5.2-1 file-» 6 - 4 - - (14096)
 O xy текислигига нисбатан (1;2;3) нуқтага
 симметриқ бўлган нуқтани топинг.
 A) (-1; 2; 3) B) (-1; -2; 3) **C) (1; 2; -3)**
 D) (1; -2; 3)
2830. 5.2-1 file-» 6 - 5 - - (14148)
 O yz текислигига нисбатан (1;2;3) нуқтага
 симметриқ бўлган нуқтани топинг.
A) (-1; 2; 3) B) (-1; -2; 3) C) (1; 2; -3)
 D) (1; -2; 3)
2831. 5.2-1 file-» 6 - 6 - - (14199)
 Координаталар бошига нисбатан (1;2;3)
 нуқтага симметриқ бўлган нуқтани топинг.
 A) (-1; 2; 3) **B) (-1; -2; -3)** C) (1; 2; -3)
 D) (1; -2; 3)
2832. 5.2-1 file-» 22 - 13 - - (36327)
 Қуйидагилардан қайси бири O yz текисликка
 нисбатан P(3; -2; 4) нуқтага симметриқ
 бўлган нуқта?
 A) (3; 2; 4) B) (3; 2; -4) C) (-3; 2; -4)
D) (-3; -2; 4)
2833. 5.2-1 file-» 22 - 14 - - (36376)
 Қуйидагилардан қайси бири O xz текисликка
 нисбатан K(2; 4; -5) нуқтага симметриқ
 бўлган нуқта?
 A) (-2; 4; 5) B) (2; -4; 5) **C) (2; -4; -5)**
 D) (-2; -4; 5)
2834. 5.2-1 file-» 22 - 15 - - (36426)
 Қуйидагилардан қайси бири O xy текисликка
 нисбатан M(7; -3; 1) нуқтага симметриқ
 бўлган нуқта?
 A) (-7; 3; 1) B) (-7; 3; -1) C) (7; 3; -1)
D) (7; -3; -1)
2835. 5.2-1 file-» 6 - 7 - - (56451)
 Агар кесманинг бир учи A(1; -5; 4), ўртаси
 C(4; -2; 3) нуқтада бўлса, иккинчи учининг
 координаталари қандай бўлади?
 A) (6; 5; 3) B) (7; -1; 2) **C) (7; 1; 2)**
 D) (5; 4; 6)
2836. 5.2-1 file-» 23 - 5 - - (57126)
 Қуйидаги нуқталардан қайси бири O yz
 текисликда ётади?
 A) (2; -3; 0) B) (2; 0; -5) C) (1; 0; -4)
D) (0; 9; -7)
2837. 5.2-1 file-» 23 - 6 - - (57182)
 Қуйидаги нуқталардан қайси бири O xz
 текисликда ётади?
 A) (-4; 3; 0) B) (0; -7; 0) **C) (2; 0; -8)**
 D) (2; -4; 6)

2838. 5.2-1 file-» 6 - 3 - - (315517)
Oxz tekisligiga nisbatan (1; 2; 3) nuqtaga simmetrik bo'lgan nuqtani toping.
 A) (-1; 2; 3) B) (-1; -2; 3) C) (1; 2; -3)
D) (1; -2; 3)
2839. 5.2-1 file-» 6 - 4 - - (315518)
Oxy tekisligiga nisbatan (1;2;3) nuqtaga simmetrik bo'lgan nuqtani toping.
 A) (-1; 2; 3) B) (-1; -2; 3) C) (1; 2; -3)
 D) (1; -2; 3)
2840. 5.2-1 file-» 6 - 5 - - (315519)
Oyz tekisligiga nisbatan (1;2;3) nuqtaga simmetrik bo'lgan nuqtani toping.
A) (-1; 2; 3) B) (-1; -2; 3) C) (1; 2; -3)
 D) (1; -2; 3)
2841. 5.2-1 file-» 6 - 6 - - (315520)
 Koordinatalar boshiga nisbatan (1;2;3) nuqtaga simmetrik bo'lgan nuqtani toping.
 A) (-1; 2; 3) B) (-1; -2; -3) C) (1; 2; -3)
 D) (1; -2; 3)
2842. 5.2-1 file-» 22 - 13 - - (315521)
 Quyidagilardan qaysi biri *Oyz* tekislikka nisbatan $P(3; -2; 4)$ nuqtaga simmetrik bo'lgan nuqta?
 A) (3; 2; 4) B) (3; 2; -4)
 C) (-3; 2; -4) D) (-3; -2; 4)
2843. 5.2-1 file-» 22 - 14 - - (315522)
 Quyidagilardan qaysi biri *Oxz* tekislikka nisbatan $K(2; 4; -5)$ nuqtaga simmetrik bo'lgan nuqta?
 A) (-2; 4; 5) B) (2; -4; 5) C) (2; -4; -5)
 D) (-2; -4; 5)
2844. 5.2-1 file-» 22 - 15 - - (315523)
 Quyidagilardan qaysi biri *Oxy* tekislikka nisbatan $M(7; -3; 1)$ nuqtaga simmetrik bo'lgan nuqta?
 A) (-7; 3; 1) B) (-7; 3; -1)
 C) (7; 3; -1) D) (7; -3; -1)
2845. 5.2-1 file-» 6 - 7 - - (315524)
 Agar kesmaning bir uchi $A(1; -5; 4)$, o'rtasi $C(4; -2; 3)$ nuqtada bo'lsa, ikkinchi uchining koordinatalari qanday bo'ladi?
 A) (6; 5; 3) B) (7; -1; 2) C) (7; 1; 2)
 D) (5; 4; 6)
2846. 5.2-1 file-» 23 - 5 - - (315525)
 Quyidagi nuqtalardan qaysi biri *Oyz* tekislikda yotadi?
 A) (2; -3; 0) B) (2; 0; -5) C) (1; 0; -4)
D) (0; 9; -7)
2847. 5.2-1 file-» 23 - 6 - - (315526)
 Quyidagi nuqtalardan qaysi biri *Oxz* tekislikda yotadi?
 A) (-4; 3; 0) B) (0; -7; 0) C) (2; 0; -8)
 D) (2; -4; 6)
2848. 5.2-1 file-» 6 - 4 - - (402081)
 $A(0; y; 0)$ nuqta $B(1; 2; 3)$ va $C(-1; 3; 4)$ nuqtalardan teng uzoqlikdaligi ma'lum bo'lsa, y ni toping.
A) 6 B) 5 C) -5 D) 7
2849. 5.2-1 file-» 6 - 5 - - (402082)
 $A(0; y; 0)$ nuqta $B(0; 2; 2)$ va $C(3; 3; 2)$ nuqtalardan baravar uzoqlikdaligi ma'lum bo'lsa, y ni toping.
 A) 1 B) 1,5 C) 7 D) 2
2850. 5.2-1 file-» 5 - 7 - - (402083)
 n ning qanday qiymatida $\vec{a}(n; -2; 1)$ va $\vec{b}(n; 3n; 8)$ vektorlar perpendikular bo'ladi?
 A) 3 B) 1 C) 2 D) 4; 2
2851. 5.2-1 file-» 22 - 11 - - (402084)
 Agar $\vec{a}(-1; 2; 8)$ va $\vec{b}(3; -2; 15)$ bo'lsa, $\vec{m} = \vec{b} - \vec{a}$ vektorning uzunligini toping.
A) 9 B) $9\sqrt{2}$ C) 6 D) 12
2852. 5.2-1 file-» 22 - 12 - - (402085)
 Agar $\vec{a}(2; 0; -2)$ va $\vec{b}(1; -2; 4, 5)$ bo'lsa, $\vec{n} = \vec{a} + 2\vec{b}$ vektorning uzunligini toping.
A) 9 B) $6\sqrt{2}$ C) 8 D) 13
2853. 5.2-1 file-» 22 - 1 - - (402086)
 Agar $\vec{a}(6; 2; 1)$ va $\vec{b}(0; -1; 2 + 2\sqrt{14})$ bo'lsa, $\vec{c} = 2\vec{a} - \vec{b}$ vektorning uzunligini toping.
 A) 13 B) 14 C) 15 D) $6\sqrt{2}$
2854. 5.2-1 file-» 6 - 3 - - (402087)
 $A(x; 0; 0)$ nuqta $B(1; 2; 3)$ va $C(-1; 3; 6)$ nuqtalardan teng uzoqlikdaligi ma'lum bo'lsa, x ni toping.
 A) -1 B) -2 C) -8 D) 3
2855. 5.2-1 file-» 15 - 1 - - (402088)
 x ning qanday qiymatida $M(x; 0; 0)$ nuqta $M_1(1; 2; -\sqrt{3})$ va $M_2(-2; 1; 0)$ nuqtalardan baravar uzoqlashgan?
 A) 0 B) 0,5 C) -2 D) -1
2856. 5.2-1 file-» 15 - 1 - - (402089)
 n ning qanday qiymatlarida $\vec{a}(n; -2; 1)$ va $\vec{b}(n; 1; -3n + 2)$ vektorlar perpendikular bo'ladi?
A) 0; 3 B) -2 C) 2 D) -1

2857. 5.2-1 file-» 15 - 2 - - (402090)
 Oz o'qida shunday M nuqtani topingki, undan $A(2; -3; 1)$ nuqttagacha bo'lgan masofa $\sqrt{77}$ ga teng bo'lsin.
 A) $M_1(0; 0; 9)$ va $M_2(0; 0; -7)$
 B) $M(0; 0; 7)$ C) $M(0; 0; -5)$
 D) $M_1(0; 0; -2)$ va $M_2(0; 0; 6)$
2858. 5.2-1 file-» 22 - 21 - - 4 (402091)
 Uchlari $A(4; 5; 1)$, $B(2; 3; 0)$ va $C(2; -1; -3)$ nuqtalarda joylashgan uchburchakning BD medianasi uzunligini toping.
 A) 1 B) $\sqrt{2}$ C) $\sqrt{3}$ D) 2
2859. 5.2-1 file-» 2 - 5 - - 5 (402092)
 $A(2; -1; 0)$ va $B(0; 3; 2)$ nuqtalar berilgan. Koordinata boshidan AB kesmaning o'rtasigacha bo'lgan masofani toping.
 A) $\sqrt{2}$ B) $\sqrt{3}$ C) $2\sqrt{2}$ D) 2
2860. 5.2-1 file-» 5 - 13 - - 9 (402093)
 $A(-3; 8; 3\sqrt{33})$ nuqtadan Ox o'qqacha bo'lgan masofani toping.
 A) 17 B) 18 C) 19 D) 21
2861. 5.2-1 file-» 23 - 18 - - 7 (402094)
 $\vec{AB}(-3; 0; 2)$ va $\vec{AC}(9; 6; -2)$ vektorlar ABC uchburchakning tomonlaridir. Shu uchburchakning AN medianasi uzunligini toping.
 A) $\frac{3}{\sqrt{2}}$ B) 1,5 C) $3\sqrt{6}$ D) $3\sqrt{2}$
2862. 5.2-1 file-» 19 - 8 - - 6 (402095)
 $\vec{AB}(-3; 1; 4)$, $\vec{BC}(-2; 3; -7)$ va $\vec{CD}(5; -1; 4)$ lar $ABCD$ to'rtburchakning tomonlari bo'lsa, shu to'rtburchakning diagonallaridan iborat vektorlar skalyar ko'paytmasining modulini toping.
 A) 5 B) 9 C) 12 D) 2
2863. 5.2-1 file-» 16 - 1 - - (402096)
 $\vec{a}(-2; 1; 4)$ vektor va $M(2; -\frac{23}{21}; -\frac{19}{3})$ nuqta berilgan. Agar $2\vec{a} + 3N\vec{M} = 0$ bo'lsa, N nuqtaning koordinatalarini toping.
 A) $-\frac{1}{3}; \frac{2}{3}; \frac{5}{3}$ B) $\frac{2}{3}; -\frac{7}{3}; -\frac{11}{3}$
 C) $\frac{2}{3}; -\frac{3}{7}; -\frac{11}{3}$ D) $\frac{7}{3}; -\frac{2}{3}; -\frac{11}{3}$
2864. 5.2-1 file-» 19 - 1 - - 3 (402097)
 $\vec{a} = 2\vec{i} + \vec{j}$ va $\vec{b} = -2\vec{j} + 2\vec{k}$ vektorlarda yasalgan parallelogrammning diagonallari orasidagi burchakni toping.
 A) $\arccos \frac{1}{\sqrt{21}}$ B) $\frac{\pi}{6}$ C) $\arccos \frac{1}{\sqrt{17}}$
 D) $\frac{\pi}{2}$
2865. 5.2-1 file-» 16 - 3 - - 5 (402098)
 $\vec{a} = \{1; 2; 1\}$; $\vec{b} = \{2; -1; 0\}$; $\alpha - \vec{a} + \vec{b}$ va $\vec{a} - \vec{b}$ vektorlar orasidagi burchak. $\text{ctg}^2 \alpha$ ni hisoblang.
 A) $\frac{1}{5}$ B) $\frac{1}{25}$ C) $\frac{1}{60}$ D) $\frac{1}{120}$
2866. 5.2-1 file-» 22 - 19 - - 4 (402099)
 Uchburchakning uchlari $A(3; -2; 1)$, $B(2; 1; 3)$ va $C(1; 2; 5)$ nuqtalarda joylashgan. Shu uchburchakning BD medianasi va AC asosi orasidagi burchakni toping.
 A) $\arccos \frac{1}{3}$ B) 60° C) 45° D) $\arccos \frac{2}{3}$
2867. 5.2-1 file-» 16 - 4 - - 11 (402100)
 $\alpha - \vec{x} = 2\vec{i} + 5\vec{j} - \vec{k}$ va $\vec{y} = \vec{i} - \vec{j} - 3\vec{k}$ vektorlar orasidagi burchak. $\cos^2 \frac{\alpha}{2}$ ning qiymatini hisoblang.
 A) 0 B) $\frac{1}{2}$ C) 1 D) $\frac{3}{2}$
2868. 5.2-1 file-» 2 - 3 - - 2 (402101)
 \vec{i}, \vec{j} va \vec{k} - koordinata o'qlari bo'ylab yo'nalgan birlik vektorlar va $\vec{a} = 5\vec{i} + \sqrt{2}\vec{j} - 3\vec{k}$ bo'lsa, \vec{a} va \vec{i} vektorlar orasidagi burchakning kosinusini toping.
 A) $\frac{5}{6}$ B) $\frac{2}{3}$ C) $\frac{3}{4}$ D) $\frac{1}{2}$
2869. 5.2-1 file-» 19 - 3 - - 9 (402102)
 Agar $|\vec{a}| = 2$, $|\vec{b}| = 4$ va \vec{a} va \vec{b} vektorlar orasidagi burchak $\frac{\pi}{3}$ ga teng bo'lsa, $3\vec{a} - 2\vec{b}$ va $5\vec{a} - 6\vec{b}$ vektorlarning skalyar ko'paytmasini toping.
 A) 140 B) 264 C) $252 - 56\sqrt{3}$
 D) $252 + 56\sqrt{3}$
2870. 5.2-1 file-» 19 - 6 - - 8 (402103)
 Agar $A(-5; 2; 8)$, $\vec{AB}(-3; 4; 1)$ va $\vec{BD}(-2; 4; 1)$ bo'lsa, $ABCD$ parallelogramm C uchining koordinatlari yig'indisini toping.
 A) 8 B) 10 C) 11 D) 12
2871. 5.2-1 file-» 16 - 12 - - 9 (402105)
 Uchlari $M(-3; 3; 1)$; $N(3; -5; 1)$ va $E(-4; -1; -2)$ nuqtalarda bo'lgan uchburchakning MN tomoni va EF medianasi orasidagi burchakni toping.
 A) 45° B) $\arccos 0,64$ C) 60°
 D) $\arccos 0,48$

2872. 5.2-1 file-» 2 - 45 - - 4 (402106)
Uchlari $A(3; -2; 1)$, $B(3; 0; 2)$ va $C(1; 2; 5)$ nuqtalarda bo'lgan uchburchakning BD medianasi va AC tomoni orasidagi burchakning kattaligini toping.
A) 45° B) 30° C) 60° D) $\arccos \frac{\sqrt{2}}{3}$
2873. 5.2-1 file-» 2 - 45 - - 4 (402107)
Uchburchakli piramidaning uchlari $A(3; 0; 1)$, $B(-1; 4; 1)$, $C(5; 2; 3)$ va $D(0; -5; 4)$ nuqtalarda joylashgan. O -nuqta BCD uchburchak medianalarining kesishgan nuqtasi. \vec{AO} vektorning uzunligini aniqlang.
A) $\frac{\sqrt{51}}{3}$ B) $\frac{7}{3}$ C) $\frac{\sqrt{53}}{3}$ D) $5\sqrt{2}$
2874. 5.2-1 file-» 32 - 1 - - (402108)
 xOy tekisligida yotgan \vec{b} vektor $\vec{a}(2; -4; 5)$ vektorga perpendikular. Agar $|\vec{b}| = 4\sqrt{5}$ bo'lsa, uning absissasi va ordinatasi ko'paytmasini toping.
A) 8 B) 16 C) 32 D) 36
2875. 5.2-1 file-» 32 - 1 - - (402109)
 $\vec{a}(x; 1; -1)$ va $\vec{b}(1; 0; 1)$ vektorlar berilgan. x ning qanday qiymatida $(\vec{a} + 3\vec{b})^2 = (\vec{a} - 2\vec{b})^2$ tenglik o'rinli bo'ladi?
A) 1 B) 0 C) $-\frac{1}{2}$ D) -1
2876. 5.2-1 file-» 55 - 1 - - (402110)
 $A(2; -1; 4)$, $B(6; 1; 3)$ va $C(5; 1; 0)$ nuqtalar berilgan. Oy o'qda shunday D nuqta topingki, $\vec{AC} \perp \vec{BD}$ bo'lsin.
A) $(0; 4; 0)$ B) $(0; 6; 0)$ C) $(2; 0; 1)$
D) $(3; 0; -2)$
2877. 5.2-2 file-» 6 - 3 - - 1 (719647)
 $A(x; 0; 0)$ nuqta $B(1; 2; 3)$ va $C(-1; 3; 6)$ nuqtalardan teng uzoqlikdaligi ma'lum bo'lsa, x ni toping.
A) -1 B) -2 C) -8 D) 3
2878. 5.2-2 file-» 6 - 4 - - 1 (719648)
 $A(0; y; 0)$ nuqta $B(1; 2; 3)$ va $C(-1; 3; 4)$ nuqtalardan teng uzoqlikdaligi ma'lum bo'lsa, y ni toping.
A) 6 B) 5 C) -5 D) 7
2879. 5.2-2 file-» 6 - 5 - - 1 (719649)
 $A(0; y; 0)$ nuqta $B(0; 2; 2)$ va $C(3; 3; 2)$ nuqtalardan baravar uzoqlikdaligi ma'lum bo'lsa, y ni toping.
A) 1 B) 1,5 C) 7 D) 2
2880. 5.2-2 file-» 5 - 7 - - 1 (719652)
 n ning qanday qiymatida $\vec{a}(n; -2; 1)$ va $\vec{b}(n; 3n; 8)$ vektorlar perpendikular bo'ladi?
A) 3 B) 1 C) 2 D) 4; 2
2881. 5.2-2 file-» 22 - 11 - - 1 (719653)
Agar $\vec{a}(-1; 2; 8)$ va $\vec{b}(3; -2; 15)$ bo'lsa, $\vec{n} = \vec{b} - \vec{a}$ vektorning uzunligini toping.
A) 9 B) $9\sqrt{2}$ C) 6 D) 12
2882. 5.2-2 file-» 22 - 12 - - 1 (719654)
Agar $\vec{a}(2; 0; -2)$ va $\vec{b}(1; -2; 4, 5)$ bo'lsa, $\vec{n} = \vec{a} + 2\vec{b}$ vektorning uzunligini toping.
A) 9 B) $6\sqrt{2}$ C) 8 D) 13
2883. 5.2-2 file-» 22 - 1 - - 1 (719655)
Agar $\vec{a}(6; 2; 1)$ va $\vec{b}(0; -1; 2 + 2\sqrt{14})$ bo'lsa, $\vec{c} = 2\vec{a} - \vec{b}$ vektorning uzunligini toping.
A) 13 B) 14 C) 15 D) $6\sqrt{2}$
2884. 5.2-2 file-» 15 - 1 - - 1 (719656)
 x ning qanday qiymatida $M(x; 0; 0)$ nuqta $M_1(1; 2; -\sqrt{3})$ va $M_2(-2; 1; 0)$ nuqtalardan baravar uzoqlashgan?
A) 0 B) 0,5 C) -2 D) -1
2885. 5.2-2 file-» 15 - 1 - - 1 (719657)
 n ning qanday qiymatlarida $\vec{a}(n; -2; 1)$ va $\vec{b}(n; 1; -3n + 2)$ vektorlar perpendikular bo'ladi?
A) 0; 3 B) -2 C) 2 D) -1
2886. 5.2-2 file-» 22 - 18 - - 1 (719658)
 y ning qanday qiymatlarida $\vec{b} = 12\vec{i} - y\vec{j} + 15\vec{k}$ vektorning uzunligi 21 ga teng?
A) 14 B) 16 C) $\pm 6\sqrt{2}$ D) 2
2887. 5.2-2 file-» 19 - 2 - - 1 (719659)
 m ning qanday qiymatida $\vec{a}(1; m; -2)$ va $\vec{b}(m; 3; -8)$ vektorlar perpendikular bo'ladi?
A) 2 B) 3 C) 4 D) -4
2888. 5.2-2 file-» 19 - 3 - - 1 (719660)
 m ning qanday qiymatida $\vec{a} = m\vec{i} + 3\vec{j} + 4\vec{k}$ va $\vec{b} = 25\vec{i} + m\vec{j} - 7\vec{k}$ vektorlar perpendikular bo'ladi?
A) 5 B) -5 C) 1 D) -4
2889. 5.2-2 file-» 22 - 21 - - 1 (719661)
Uchlari $A(4; 5; 1)$, $B(2; 3; 0)$ va $C(2; -1; -3)$ nuqtalarda joylashgan uchburchakning BD medianasi uzunligini toping.
A) 1 B) $\sqrt{2}$ C) $\sqrt{3}$ D) 2

2890. 5.2-2 file-» 23 - 18 - - 1 (719662)
 $\vec{AB}(-3; 0; 2)$ va $\vec{AC}(9; 6; -2)$ vektorlar ABC uchburchakning tomonlaridir. Shu uchburchakning AN medianasi uzunligini toping.
 A) $\frac{3}{\sqrt{2}}$ B) 1,5 C) $3\sqrt{6}$ **D) $3\sqrt{2}$**
2891. 5.2-2 file-» 51 - 1 - - (719663)
 $A(-5; 7; 3)$ va $B(3; -11; 1)$ nuqtalar berilgan. OX o'qida AB kesmaning o'rtasiga eng yaqin bo'lgan nuqtaning koordinatalarini toping.
 A) (1; 0; 0) B) (0; -2; 2) C) (0; -1; 1)
D) (-1; 0; 0)
2892. 5.2-2 file-» 51 - 2 - - (719664)
 $a(1; 0)$ va $b(1; 1)$ vektorlar berilgan. λ ning qanday qiymatida $\vec{a} + \lambda\vec{b}$ va \vec{b} vektorlar perpendikular bo'ladi?
A) $-\frac{1}{2}$ B) 2 C) -1 D) $\frac{1}{3}$
2893. 5.2-2 file-» 51 - 2 - - (719665)
 $ABCD$ parallelogramning $A(4; -3; 1)$ va $B(-3; 2; 5)$ uchlari hamda diagonallarining kesishish nuqtasi $Q(1; 0; -2)$ berilgan. Uning boshqa uchlari toping.
 A) $(-2; 3; -5); (5; -2; -9)$
 B) $(-2; 3; 5); (5; -2; -9)$
 C) $(-2; 3; -5); (5; -2; 9)$
 D) $(-2; 3; -5); (5; 2; -9)$
2894. 5.2-2 file-» 51 - 2 - - (719666)
 Uchlari $A(3; -5; 1)$, $B(-4; -1; -2)$ va $C(-3; 3; 1)$ nuqtalarda bo'lgan ABC uchburchakning AC tomoni va BM medianasi orasidagi burchakni toping.
 A) $\arccos\left(-\frac{24}{25}\right)$ **B) $\arccos\left(\frac{12}{25}\right)$**
 C) $\arccos\left(\frac{24}{25}\right)$ D) $\arccos\left(-\frac{12}{25}\right)$
2895. 5.2-2 file-» 51 - 2 - - (719667)
 Uchlari $A(2; -3; 1)$ va $B(4; -5; 6)$ nuqtalarda yotgan AB kesma o'rtasidagi nuqtaga xy tekislikka nisbatan simmetrik bo'lgan nuqtaning koordinatalarini toping.
 A) (3; -4; 3, 5) **B) (3; -4; -3, 5)**
 C) (-3; -4; 3, 5) D) (3; 4; 3, 5)
2896. 5.2-2 file-» 51 - 2 - - (719668)
 n ning qanday qiymatlarida $\vec{a}(n; -2; 1)$ va $\vec{b}(n; 1; -n)$ vektorlar perpendikular bo'ladi?
A) -1; 2 B) 1; -2 C) -1; -2 D) 1; 2
2897. 5.2-2 file-» 58 - 1 - - (719669)
 m ning qanday qiymatlarida, $\vec{a}(2m; 10; 3m)$ vektorning uzunligi $\vec{b}(-3; 4m; 4)$ vektorning uzunligidan qisqa bo'ladi?
 A) $m > 5$ B) $|m| < 3$ **C) $|m| > 5$**
 D) $m < -3$
2898. 5.2-3 file-» 50 - 148 - - (704639)
 $AB(0; -1; -3, 5)$ va $BC(2; 7; 12, 5)$ vektorlar parallelogramning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos\frac{94}{99}$ B) $\arccos\frac{46}{99}$
 C) $\arccos\left(-\frac{98}{99}\right)$ **D) $\arccos\frac{98}{99}$**
2899. 5.2-3 file-» 50 - 148 - - (704640)
 $AB(-1; 0; -1, 5)$ va $BC(3; 6; 10, 5)$ vektorlar parallelogramning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
A) $\arccos\frac{76}{77}$ B) $\arccos\frac{68}{77}$ C) $\arccos\frac{32}{77}$
 D) $\arccos\left(-\frac{76}{77}\right)$
2900. 5.2-3 file-» 50 - 148 - - (704641)
 $AB(-0, 5; -3; -7, 5)$ va $BC(2, 5; 9; 16, 5)$ vektorlar parallelogramning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos\left(-\frac{98}{99}\right)$ **B) $\arccos\frac{98}{99}$**
 C) $\arccos\frac{94}{99}$ D) $\arccos\frac{46}{99}$
2901. 5.2-3 file-» 50 - 148 - - (704642)
 $AB(-3; -3; -7, 5)$ va $BC(5; 9; 16, 5)$ vektorlar parallelogramning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos\frac{32}{77}$ B) $\arccos\left(-\frac{76}{77}\right)$
C) $\arccos\frac{76}{77}$ D) $\arccos\frac{68}{77}$
2902. 5.2-3 file-» 50 - 148 - - (704643)
 $AB(-2; -1, 5; -4, 5)$ va $BC(4; 7, 5; 13, 5)$ vektorlar parallelogramning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos\frac{68}{77}$ B) $\arccos\frac{32}{77}$
 C) $\arccos\left(-\frac{76}{77}\right)$ **D) $\arccos\frac{76}{77}$**

2903. 5.2-3 file-» 50 - 148 - - (704644)
 $AB(0; 2, 5; 5)$ va $BC(2; 5, 5; 11)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \frac{62}{63}$ B) $\arccos \frac{58}{63}$ C) $\arccos \frac{34}{63}$
 D) $\arccos \left(-\frac{62}{63}\right)$
2904. 5.2-3 file-» 50 - 148 - - (704645)
 $AB(0; 1; 3, 5)$ va $BC(2; 7; 12, 5)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \left(-\frac{98}{99}\right)$ B) $\arccos \frac{98}{99}$
 C) $\arccos \frac{94}{99}$ D) $\arccos \frac{46}{99}$
2905. 5.2-3 file-» 50 - 148 - - (704646)
 $AB(-1; 1; 2)$ va $BC(3; 7; 14)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \frac{34}{63}$ B) $\arccos \left(-\frac{62}{63}\right)$
 C) $\arccos \frac{62}{63}$ D) $\arccos \frac{58}{63}$
2906. 5.2-3 file-» 50 - 148 - - (704647)
 $AB(-1; -2; -1)$ va $BC(3; 10; 17)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \frac{94}{99}$ B) $\arccos \frac{46}{99}$
 C) $\arccos \left(-\frac{98}{99}\right)$ D) $\arccos \frac{98}{99}$
2907. 5.2-3 file-» 50 - 148 - - (704648)
 $AB(-3; -2; -4)$ va $BC(5; 10; 20)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \frac{62}{63}$ B) $\arccos \frac{58}{63}$ C) $\arccos \frac{34}{63}$
 D) $\arccos \left(-\frac{62}{63}\right)$

2908. 5.2-3 file-» 50 - 148 - - (704649)
 $AB(-2; -0, 5; -1)$ va $BC(4; 8, 5; 17)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \left(-\frac{62}{63}\right)$ B) $\arccos \frac{62}{63}$
 C) $\arccos \frac{58}{63}$ D) $\arccos \frac{34}{63}$
2909. 5.2-3 file-» 50 - 148 - - (704650)
 $AB(1, 5; 1; 2)$ va $BC(2, 5; 5; 10)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \frac{34}{63}$ B) $\arccos \left(-\frac{62}{63}\right)$
 C) $\arccos \frac{62}{63}$ D) $\arccos \frac{58}{63}$
2910. 5.2-3 file-» 50 - 148 - - (704651)
 $AB(1; 0; 1, 5)$ va $BC(3; 6; 10, 5)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \frac{68}{77}$ B) $\arccos \frac{32}{77}$
 C) $\arccos \left(-\frac{76}{77}\right)$ D) $\arccos \frac{76}{77}$
2911. 5.2-3 file-» 50 - 148 - - (704652)
 $AB(1; -1; -2)$ va $BC(3; 7; 14)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \frac{62}{63}$ B) $\arccos \frac{58}{63}$ C) $\arccos \frac{34}{63}$
 D) $\arccos \left(-\frac{62}{63}\right)$
2912. 5.2-3 file-» 50 - 148 - - (704653)
 $AB(0; -3; -3)$ va $BC(4; 9; 15)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \left(-\frac{76}{77}\right)$ B) $\arccos \frac{76}{77}$
 C) $\arccos \frac{68}{77}$ D) $\arccos \frac{32}{77}$
2913. 5.2-3 file-» 51 - 1 - - (719670)
 Agar $\vec{a}(1; -1; 3)$ va $\vec{b}(4; 3; 0)$ bo'lsa, λ ning qanday qiymatida $4\vec{a} + \lambda\vec{b}$ va $\vec{b} - \vec{a}$ vektorlar perpendikular bo'ladi?
 A) $\frac{7}{11}$ B) 2,1 C) $-\frac{6}{13}$ D) $\frac{5}{3}$

2914. 5.2-3 file-» 50 - 156 - - (719671)
 $AB(-0, 5; 0, 5; 1)$ va $BC(1, 5; 3, 5; 7)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \frac{62}{63}$ B) $\arccos \frac{58}{63}$ C) $\arccos \frac{34}{63}$
D) $\arccos \left(-\frac{62}{63}\right)$
2915. 5.2-3 file-» 50 - 156 - - (719672)
 $AB(-0, 5; -1; -0, 5)$ va $BC(1, 5; 5; 8, 5)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \left(-\frac{98}{99}\right)$ B) $\arccos \frac{98}{99}$
 C) $\arccos \frac{94}{99}$ D) $\arccos \frac{46}{99}$
2916. 5.2-3 file-» 50 - 156 - - (719673)
 $AB(-1, 5; -1; -2)$ va $BC(2, 5; 5; 10)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \frac{34}{63}$ B) $\arccos \left(-\frac{62}{63}\right)$
C) $\arccos \frac{62}{63}$ D) $\arccos \frac{58}{63}$
2917. 5.2-3 file-» 50 - 156 - - (719674)
 $AB(-1, 5; -4; -5)$ va $BC(2, 5; 8; 13)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \frac{94}{99}$ B) $\arccos \frac{46}{99}$
 C) $\arccos \left(-\frac{98}{99}\right)$ D) $\arccos \frac{98}{99}$
2918. 5.2-3 file-» 50 - 156 - - (719675)
 $AB(-3, 5; -4; -8)$ va $BC(4, 5; 8; 16)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
A) $\arccos \frac{62}{63}$ B) $\arccos \frac{58}{63}$ C) $\arccos \frac{34}{63}$
 D) $\arccos \left(-\frac{62}{63}\right)$
2919. 5.2-3 file-» 50 - 156 - - (719676)
 $AB(-2, 5; -2, 5; -5)$ va $BC(3, 5; 6, 5; 13)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \left(-\frac{62}{63}\right)$ B) $\arccos \frac{62}{63}$
 C) $\arccos \frac{58}{63}$ D) $\arccos \frac{34}{63}$
2920. 5.2-3 file-» 50 - 156 - - (719677)
 $AB(0, 5; -0, 5; -1)$ va $BC(1, 5; 3, 5; 7)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \frac{34}{63}$ B) $\arccos \left(-\frac{62}{63}\right)$
C) $\arccos \frac{62}{63}$ D) $\arccos \frac{58}{63}$
2921. 5.2-3 file-» 50 - 156 - - (719678)
 $AB(0; -1, 5; -1, 5)$ va $BC(2; 4, 5; 7, 5)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \frac{68}{77}$ B) $\arccos \frac{32}{77}$
 C) $\arccos \left(-\frac{76}{77}\right)$ D) $\arccos \frac{76}{77}$
2922. 5.2-3 file-» 50 - 156 - - (719679)
 $AB(0; -2, 5; -5)$ va $BC(2; 5, 5; 11)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
A) $\arccos \frac{62}{63}$ B) $\arccos \frac{58}{63}$ C) $\arccos \frac{34}{63}$
 D) $\arccos \left(-\frac{62}{63}\right)$
2923. 5.2-3 file-» 50 - 156 - - (719680)
 $AB(-1; -4, 5; -6)$ va $BC(3; 7, 5; 12)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \left(-\frac{76}{77}\right)$ B) $\arccos \frac{76}{77}$
 C) $\arccos \frac{68}{77}$ D) $\arccos \frac{32}{77}$

2924. 5.2-3 file-» 50 - 156 - - (719681)
 $AB(-0, 5; -0, 5; -3)$ va $BC(2, 5; 3, 5; 9)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \frac{54}{91}$ B) $\arccos \left(-\frac{90}{91}\right)$
C) $\arccos \frac{90}{91}$ D) $\arccos \frac{6}{7}$
2925. 5.2-3 file-» 50 - 156 - - (719682)
 $AB(-0, 5; -4, 5; -9)$ va $BC(2, 5; 7, 5; 15)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \frac{58}{63}$ B) $\arccos \frac{34}{63}$
 C) $\arccos \left(-\frac{62}{63}\right)$ D) $\arccos \frac{62}{63}$
2926. 5.2-3 file-» 50 - 156 - - (719683)
 $AB(-2; -2, 5; -9)$ va $BC(4; 5, 5; 15)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
A) $\arccos \frac{90}{91}$ B) $\arccos \frac{6}{7}$ C) $\arccos \frac{54}{91}$
 D) $\arccos \left(-\frac{90}{91}\right)$
2927. 5.2-3 file-» 50 - 156 - - (719684)
 $AB(0, 5; 1; 0, 5)$ va $BC(1, 5; 5; 8, 5)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \left(-\frac{98}{99}\right)$ B) $\arccos \frac{98}{99}$
 C) $\arccos \frac{94}{99}$ D) $\arccos \frac{46}{99}$
2928. 5.2-3 file-» 50 - 156 - - (719685)
 $AB(0; 1, 5; 1, 5)$ va $BC(2; 4, 5; 7, 5)$ vektorlar parallelogrammning qo'shni tomonlari. Uning AC va BD diagonallari orasidagi burchakni toping.
 A) $\arccos \frac{32}{77}$ B) $\arccos \left(-\frac{76}{77}\right)$
C) $\arccos \frac{76}{77}$ D) $\arccos \frac{68}{77}$
2929. 5.3-3 file-» 6 - 3 - - (14047)
 Мунтазам тўртбурчакли кесик пирамида асосларининг томонлари 14 ва 10 см, диагонали $4\sqrt{22}$ см. Кесик пирамиданинг баландлиги неча см?
 A) 6 B) 7 C) 8 D) 5
2930. 5.3-3 file-» 6 - 4 - - (14099)
 Мунтазам тўртбурчакли кесик пирамида асосларининг томонлари 4 ва 8 см, диагонали 12 см. Кесик пирамиданинг баландлиги неча см?
 A) 3 B) $6\sqrt{2}$ C) $8\sqrt{2}$ D) 4,5
2931. 5.3-3 file-» 6 - 5 - - (14151)
 Мунтазам тўртбурчакли кесик пирамида асосларининг томонлари 3 ва 5 см, диагонали $2\sqrt{17}$ см. Кесик пирамиданинг баландлиги неча см?
A) 6 B) 7 C) 5 D) 8
2932. 5.3-3 file-» 6 - 6 - - (14202)
 Мунтазам тўртбурчакли кесик пирамида асосларининг томонлари 3 ва 7 см, диагонали $\sqrt{82}$ см. Кесик пирамиданинг баландлиги неча см?
 A) 5 B) $5\sqrt{2}$ C) $4\sqrt{2}$ D) 4
2933. 5.3-3 file-» 23 - 13 - - 11 (71133)
 Тенг ёнли ABC учбурчакнинг ($AB = AC$) A учидан учбурчак текислигига узунлиги 32 га тенг бўлган AD перпендикуляр ўтказилди. D нуқтадан BC томонгача бўлган масофа 40 га тенг. ABC учбурчакнинг BC томонига ўтказилган баландлиги қанчага тенг?
A) 24 B) 12 C) 14 D) 20
2934. 5.3-3 file-» 12 - 2 - - 7 (71855)
 Учбурчакли мунтазам призманинг баландлиги 32 га, асосининг юзи $\frac{9\sqrt{3}}{16}$ га тенг. Призма ён ёғининг юзини топинг.
A) 48 B) 54 C) 36 D) 42
2935. 5.3-3 file-» 16 - 5 - - 12 (96306)
 Мунтазам тўртбурчакли призманинг асоси 8 га ва баландлиги 12 га тенг. Призма параллель ён ёқларининг ўзаро айқаш диагоналлари орасидаги ўткир бурчакни топинг.
 A) $\arcsin \frac{8}{13}$ B) $\arcsin \frac{2}{\sqrt{13}}$ C) $\arccos \frac{3}{\sqrt{13}}$
D) $\arcsin \frac{12}{13}$
2936. 5.3-3 file-» 32 - 2 - - 11 (119923)
 Мунтазам тўртбурчакли пирамида асосининг томони 5 га, тўла сирти 65 га тенг. Пирамида ён ёғининг асос текислигига оғиш бурчагини топинг.
A) $\arccos \frac{5}{8}$ B) $\arcsin \frac{5}{8}$ C) $\arccos \frac{5}{16}$
 D) $\arcsin \frac{5}{16}$

2937. 5.3-3 file-» 19 - 5 - - 2 (123046)
 Мунтазам тўртбурчакли пирамиданинг ён қирраси $6\sqrt{2}$ га, ён қирра ва асос текислиги орасидаги бурчак 45° га тенг. Пирамиданинг ҳажмини топинг.
 A) $96\sqrt{2}$ B) 144 C) 72 D) 192
2938. 5.3-3 file-» 32 - 3 - - 2 (139949)
 Мунтазам учбурчакли пирамиданинг баландлиги асосининг томонидан олти марта кичик. Пирамиданинг ён ёғи асос текислиги билан қандай бурчак ташкил этади?
 A) 60° B) 30° C) 15° D) 45°
2939. 5.3-3 file-» 2 - 43 - - 8 (144566)
 Мунтазам учбурчакли пирамиданинг ён қирраси 20 га, асосининг томони $16\sqrt{3}$ га тенг. Пирамиданинг баландлигини топинг.
 A) 12 B) $8\sqrt{3}$ C) 16 D) 8
2940. 5.3-3 file-» 2 - 43 - - 8 (144567)
 Мунтазам тўртбурчакли пирамиданинг ҳажми 19200 га, баландлиги эса 9 га тенг. Пирамида апофемаси узунлигини топинг.
 A) 39 B) 27 C) 36 D) 41
2941. 5.3-3 file-» 31 - 2 - - 6 (146274)
 Мунтазам тўртбурчакли кесик пирамиданинг баландлиги 8 га, асосларининг томонлари 12 ва 20 га тенг. Кесик пирамиданинг диагоналининг топинг.
 A) 48 B) 24 C) 36 D) 40
2942. 5.3-3 file-» 31 - 2 - - 6 (146279)
 Учбурчакли мунтазам пирамида асосининг томони 24 га тенг. Ён ёғи асос текислиги билан 30° ли бурчак ҳосил қилади. Пирамиданинг баландлигини топинг.
 A) 4 B) 12 C) 8 D) 6
2943. 5.3-3 file-» 54 - 1 - - (175443)
 Барча қирралари тенг бўлган мунтазам учбурчакли призма асосининг медианаси $6\sqrt{3}$ га тенг. Шу призманинг ҳажмини топинг.
 A) $432\sqrt{3}$ B) $144\sqrt{3}$ C) $288\sqrt{3}$ D) $864\sqrt{3}$
2944. 5.3-3 file-» 6 - 3 - - (315527)
 Muntazam to'rtburchakli kesik piramida asoslarining tomonlari 14 va 10 sm, diagonali $4\sqrt{22}$ sm. Kesik piramidaning balandligi necha sm?
 A) 6 B) 7 C) 8 D) 5
2945. 5.3-3 file-» 6 - 4 - - (315528)
 Muntazam to'rtburchakli kesik piramida asoslarining tomonlari 4 va 8 sm, diagonali 12 sm. Kesik piramidaning balandligi necha sm?
 A) 3 B) $6\sqrt{2}$ C) $8\sqrt{2}$ D) 4,5
2946. 5.3-3 file-» 6 - 5 - - (315529)
 Muntazam to'rtburchakli kesik piramida asoslarining tomonlari 3 va 5 sm, diagonali $2\sqrt{17}$ sm. Kesik piramidaning balandligi necha sm?
 A) 6 B) 7 C) 5 D) 8
2947. 5.3-3 file-» 6 - 6 - - (315530)
 Muntazam to'rtburchakli kesik piramida asoslarining tomonlari 3 va 7 sm, diagonali $\sqrt{82}$ sm. Kesik piramidaning balandligi necha sm?
 A) 5 B) $5\sqrt{2}$ C) $4\sqrt{2}$ D) 4
2948. 5.3-3 file-» 23 - 13 - - 11 (315531)
 Teng yonli ABC uchburchakning ($AB = AC$) A uchidan uchburchak tekisligiga uzunligi 32 ga teng bo'lgan AD perpendikulyar o'tkazildi. D nuqtadan BC tomongacha bo'lgan masofa 40 ga teng. ABC uchburchakning BC tomoniga o'tkazilgan balandligi qanchaga teng?
 A) 24 B) 12 C) 14 D) 20
2949. 5.3-3 file-» 12 - 2 - - 7 (315532)
 Uchburchakli muntazam prizmaning balandligi 32 ga, asosining yuzi $\frac{9\sqrt{3}}{16}$ ga teng. Prizma yon yog'ining yuzini toping.
 A) 48 B) 54 C) 36 D) 42
2950. 5.3-3 file-» 16 - 5 - - 12 (315533)
 Muntazam to'rtburchakli prizmaning asosi 8 ga va balandligi 12 ga teng. Prizma parallel yon yoqlarining o'zaro ayqash diagonallari orasidagi o'tkir burchakni toping.
 A) $\arcsin \frac{8}{13}$ B) $\arcsin \frac{2}{\sqrt{13}}$
 C) $\arccos \frac{3}{\sqrt{13}}$ D) $\arcsin \frac{12}{13}$
2951. 5.3-3 file-» 32 - 2 - - 11 (315534)
 Muntazam to'rtburchakli piramida asosining tomoni 5 ga, to'la sirti 65 ga teng. Piramida yon yog'ining asos tekisligiga og'ish burchagini toping.
 A) $\arccos \frac{5}{8}$ B) $\arcsin \frac{5}{8}$ C) $\arccos \frac{5}{16}$
 D) $\arcsin \frac{5}{16}$
2952. 5.3-3 file-» 19 - 5 - - 2 (315535)
 Muntazam to'rtburchakli piramidaning yon qirrasini $6\sqrt{2}$ ga, yon qirra va asos tekisligi orasidagi burchak 45° ga teng. Piramidaning hajmini toping.
 A) $96\sqrt{2}$ B) 144 C) 72 D) 192

2953. 5.3-3 file-» 32 - 3 - - 2 (315536)
Muntazam uchburchakli piramidaning balandligi asosining tomonidan olti marta kichik. Piramidaning yon yog‘i asos tekisligi bilan qanday burchak tashkil etadi?
A) 60° B) 30° C) 15° D) 45°
2954. 5.3-3 file-» 2 - 43 - - 8 (315537)
Muntazam uchburchakli piramidaning yon qirradi 20 ga, asosining tomoni $16\sqrt{3}$ ga teng. Piramidaning balandligini toping.
A) 12 B) $8\sqrt{3}$ C) 16 D) 8
2955. 5.3-3 file-» 2 - 43 - - 8 (315538)
Muntazam to‘rtburchakli piramidaning hajmi 19200 ga, balandligi esa 9 ga teng. Piramida apofemasi uzunligini toping.
A) 39 B) 27 C) 36 D) 41
2956. 5.3-3 file-» 31 - 2 - - 6 (315539)
Muntazam to‘rtburchakli kesik piramidaning balandligi 8 ga, asoslarining tomonlari 12 va 20 ga teng. Kesik piramidaning diagonalini toping.
A) 48 B) 24 C) 36 D) 40
2957. 5.3-3 file-» 31 - 2 - - 6 (315540)
Uchburchakli muntazam piramida asosining tomoni 24 ga teng. Yon yog‘i asos tekisligi bilan 30° li burchak hosil qiladi. Piramidaning balandligini toping.
A) 4 B) 12 C) 8 D) 6
2958. 5.3-3 file-» 54 - 1 - - (315541)
Barcha qirralari teng bo‘lgan muntazam uchburchakli prizma asosining medianasi $6\sqrt{3}$ ga teng. Shu prizmaning hajmini toping.
A) $432\sqrt{3}$ B) $144\sqrt{3}$ C) $288\sqrt{3}$
D) $864\sqrt{3}$
2959. 5.3-3 file-» 28 - 1 - - (402111)
Muntazam uchburchakli piramidaning balandligi 4 ga, asosining balandligi esa $6\sqrt{3}$ ga teng. Piramidaning yon qirrasini toping.
A) 6 B) 8 C) 5 D) 9
2960. 5.3-3 file-» 28 - 2 - - (402112)
Tomoni 24 ga teng bo‘lgan kubning uchidan shu uch bilan umumiy nuqtaga ega bo‘lmagan yog‘ining simmetriya markazigacha bo‘lgan masofani toping.
A) $12\sqrt{6}$ B) $24\sqrt{3}$ C) $24\sqrt{2}$ D) $18\sqrt{6}$
2961. 5.3-3 file-» 13 - 4 - - (402113)
Uchburchakli piramida asosining tomonlari 12; 16 va 20 ga teng. Piramidaning yon qirralari asos tekisligi bilan bir xil burchak hosil qiladi. Agar piramidaning balandligi $3\sqrt{29}$ ga teng bo‘lsa, yon qirradi qanchaga teng bo‘ladi?
A) 19 B) 20 C) 14 D) 17
2962. 5.3-3 file-» 13 - 4 - - (402114)
Uchburchakli to‘g‘ri prizma asosining tomonlari 9; 12 va 15 ga teng. Prizmaning hajmi 486 ga teng bo‘lsa, uning balandligi qanchaga teng bo‘ladi?
A) 12 B) 6 C) 9 D) 8
2963. 5.3-3 file-» 23 - 5 - - (402115)
Muntazam to‘rtburchakli prizma asosining tomoni 4 ga, balandligi $4\sqrt{6}$ ga teng. Prizmaning diagonalini asos tekisligi bilan qanday burchak hosil qiladi?
A) 30° B) 45° C) 60° D) 75°
2964. 5.3-3 file-» 2 - 2 - - 8 (402116)
Katetlari 24 va 32 sm bo‘lgan to‘g‘ri burchakli uchburchakning uchlaridan bir xil $2\sqrt{269}$ sm uzoqlikda joylashgan nuqta uchburchak tekisligidan qanday masofada (sm) yotadi?
A) 26 B) 14 C) 24 D) 30
2965. 5.3-3 file-» 2 - 2 - - 8 (402117)
Muntazam piramidaning asosi ichki burchaklarining yig‘indisi 720° ga, tomoni 6 ga teng bo‘lgan ko‘pburchakdan iborat. Agar piramidaning yon qirradi $\sqrt{205}$ ga teng bo‘lsa, piramidaning balandligini aniqlang.
A) 8 B) 16 C) 12 D) 13
2966. 5.3-3 file-» 2 - 42 - - 5 (402118)
Uchburchakli to‘g‘ri prizmaning barcha qirralari bir xil uzunlikka ega va to‘la sirti $16 + 32\sqrt{3}$ ga teng. Prizma asosining yuzini toping.
A) 4 B) 8 C) $8\sqrt{3}$ D) 6
2967. 5.3-3 file-» 54 - 1 - - (402119)
To‘g‘ri burchakli parallelepipedning qo‘shni yon yoqlari diagonalari asos tekisligi bilan 30° va 45° li burchak hosil qiladi. Shu diagonal orasidagi burchakning kosinusini toping.
A) $\frac{\sqrt{2}}{4}$ B) $\frac{2}{\sqrt{3}}$ C) $\frac{\sqrt{3}}{3}$ D) $\frac{1}{\sqrt{2}}$
2968. 5.3-3 file-» 55 - 1 - - (402120)
Uchburchakli to‘g‘ri prizma asosining tomonlari 6 va 8 ga teng bo‘lib, o‘zaro 60° li burchak tashkil etadi, uchinchi tomoni esa prizma balandligiga teng. Prizmaning hajmini toping.
A) $24\sqrt{39}$ B) $12\sqrt{21}$ C) $21\sqrt{39}$
D) $30\sqrt{3}$

2969. 5.3-3 file-» 50 - 159 - - (704654)
Uchburchakli piramida asosining tomonlari 4, 13 va 15 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\frac{65\sqrt{3}}{24}$ B) $\frac{65\sqrt{3}}{16}$ C) $\frac{65}{16}$ D) $\frac{65\sqrt{3}}{8}$

2970. 5.3-3 file-» 50 - 159 - - (704655)
Uchburchakli piramida asosining tomonlari 5, 12 va 13 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\frac{13\sqrt{3}}{2}$ B) $\frac{13\sqrt{3}}{6}$ C) $\frac{13\sqrt{3}}{4}$ D) $\frac{13}{4}$

2971. 5.3-3 file-» 50 - 159 - - (704656)
Uchburchakli piramida asosining tomonlari 9, 10 va 17 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\frac{85}{16}$ B) $\frac{85\sqrt{3}}{8}$ C) $\frac{85\sqrt{3}}{24}$ D) $\frac{85\sqrt{3}}{16}$

2972. 5.3-3 file-» 50 - 159 - - (704657)
Uchburchakli piramida asosining tomonlari 9, 12 va 15 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\frac{15\sqrt{3}}{4}$ B) $\frac{15}{4}$ C) $\frac{15\sqrt{3}}{2}$ D) $\frac{5\sqrt{3}}{2}$

2973. 5.3-3 file-» 50 - 159 - - (704658)
Uchburchakli piramida asosining tomonlari 12, 16 va 20 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\frac{10\sqrt{3}}{3}$ B) $5\sqrt{3}$ C) 5 D) $10\sqrt{3}$

2974. 5.3-3 file-» 50 - 159 - - (704659)
Uchburchakli piramida asosining tomonlari 6, 8 va 10 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $5\sqrt{3}$ B) $\frac{5\sqrt{3}}{3}$ C) $\frac{5\sqrt{3}}{2}$ D) $\frac{5}{2}$

2975. 5.3-3 file-» 50 - 159 - - (704660)
Uchburchakli piramida asosining tomonlari 13, 14 va 15 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\frac{65}{16}$ B) $\frac{65\sqrt{3}}{8}$ C) $\frac{65\sqrt{3}}{24}$ D) $\frac{65\sqrt{3}}{16}$

2976. 5.3-3 file-» 50 - 159 - - (704661)
Uchburchakli piramida asosining tomonlari 8, 15 va 17 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\frac{17\sqrt{3}}{4}$ B) $\frac{17}{4}$ C) $\frac{17\sqrt{3}}{2}$ D) $\frac{17\sqrt{3}}{6}$

2977. 5.3-3 file-» 50 - 159 - - (704662)
Uchburchakli piramida asosining tomonlari 11, 13 va 20 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\frac{65\sqrt{3}}{18}$ B) $\frac{65\sqrt{3}}{12}$ C) $\frac{65}{12}$ D) $\frac{65\sqrt{3}}{6}$

2978. 5.3-3 file-» 50 - 159 - - (704663)
Uchburchakli piramida asosining tomonlari 7, 15 va 20 ga teng. Uning barcha yon qirralari asos tekisligi bilan 60° burchak tashkil qiladi. Piramidaning balandligini toping.

A) $\frac{25\sqrt{3}}{2}$ B) $\frac{25\sqrt{3}}{6}$ C) $\frac{25\sqrt{3}}{4}$ D) $\frac{25}{4}$

2979. 5.3-3 file-» 50 - 159 - - (704664)
Piramidaning barcha yon yoqlari asos tekisligi bilan 30° burchak tashkil qiladi. Uning asosi tomonlari 4, 13 va 15 ga teng uchburchakdan iborat. Piramidaning balandligini toping.

A) $\frac{3\sqrt{3}}{4}$ B) $\frac{\sqrt{3}}{2}$ C) $\frac{3\sqrt{3}}{2}$ D) $\frac{3}{4}$

2980. 5.3-3 file-» 50 - 159 - - (704665)
Piramidaning barcha yon yoqlari asos tekisligi bilan 30° burchak tashkil qiladi. Uning asosi tomonlari 12, 16 va 20 ga teng uchburchakdan iborat. Piramidaning balandligini toping.

A) 2 B) $2\sqrt{3}$ C) $\frac{4\sqrt{3}}{3}$ D) $4\sqrt{3}$

2981. 5.3-3 file-» 50 - 159 - - (704666)
Piramidaning barcha yon yoqlari asos tekisligi bilan 30° burchak tashkil qiladi. Uning asosi tomonlari 5, 12 va 13 ga teng uchburchakdan iborat. Piramidaning balandligini toping.

A) $2\sqrt{3}$ B) 1 C) $\sqrt{3}$ D) $\frac{2\sqrt{3}}{3}$

2982. 5.3-3 file-» 50 - 159 - - (704667)
Piramidaning barcha yon yoqlari asos tekisligi bilan 30° burchak tashkil qiladi. Uning asosi tomonlari 9, 10 va 17 ga teng uchburchakdan iborat. Piramidaning balandligini toping.

A) $\frac{2\sqrt{3}}{3}$ B) $2\sqrt{3}$ C) 1 D) $\sqrt{3}$

2983. 5.3-3 file-» 50 - 159 - - (704668)
 Piramidaning barcha yon yoqlari asos tekisligi bilan 30° burchak tashkil qiladi. Uning asosi tomonlari 9, 12 va 15 ga teng uchburchakdan iborat. Piramidaning balandligini toping.
 A) $\frac{3\sqrt{3}}{2}$ B) $\sqrt{3}$ C) $3\sqrt{3}$ D) $\frac{3}{2}$
2984. 5.3-3 file-» 50 - 159 - - (704669)
 Piramidaning barcha yon yoqlari asos tekisligi bilan 30° burchak tashkil qiladi. Uning asosi tomonlari 6, 8 va 10 ga teng uchburchakdan iborat. Piramidaning balandligini toping.
 A) 1 B) $\sqrt{3}$ C) $\frac{2\sqrt{3}}{3}$ D) $2\sqrt{3}$
2985. 5.3-3 file-» 50 - 159 - - (704670)
 Piramidaning barcha yon yoqlari asos tekisligi bilan 30° burchak tashkil qiladi. Uning asosi tomonlari 8, 15 va 17 ga teng uchburchakdan iborat. Piramidaning balandligini toping.
 A) $3\sqrt{3}$ B) $\frac{3}{2}$ C) $\frac{3\sqrt{3}}{2}$ D) $\sqrt{3}$
2986. 5.3-3 file-» 50 - 159 - - (704671)
 Piramidaning barcha yon yoqlari asos tekisligi bilan 30° burchak tashkil qiladi. Uning asosi tomonlari 11, 13 va 20 ga teng uchburchakdan iborat. Piramidaning balandligini toping.
 A) $\sqrt{3}$ B) $3\sqrt{3}$ C) $\frac{3}{2}$ D) $\frac{3\sqrt{3}}{2}$
2987. 5.3-3 file-» 50 - 159 - - (704672)
 Piramidaning barcha yon yoqlari asos tekisligi bilan 30° burchak tashkil qiladi. Uning asosi tomonlari 13, 14 va 15 ga teng uchburchakdan iborat. Piramidaning balandligini toping.
 A) $2\sqrt{3}$ B) $\frac{4\sqrt{3}}{3}$ C) $4\sqrt{3}$ D) 2
2988. 5.3-3 file-» 50 - 159 - - (704673)
 Piramidaning barcha yon yoqlari asos tekisligi bilan 30° burchak tashkil qiladi. Uning asosi tomonlari 7, 15 va 20 ga teng uchburchakdan iborat. Piramidaning balandligini toping.
 A) 1 B) $\sqrt{3}$ C) $\frac{2\sqrt{3}}{3}$ D) $2\sqrt{3}$
2989. 5.3-3 file-» 51 - 1 - - (719686)
 Muntazam to'rtburchakli piramidaning apofemasi 15 ga, asosidagi ikki yoqli burchagining tangensi $\frac{3}{4}$ ga teng. Piramidaning yon sirtini toping.
 A) 720 B) 270 C) 620 D) 360
2990. 5.3-3 file-» 51 - 2 - - (719688)
 Uchburchakli piramida asosining tomonlari 13, 14 va 15 ga teng. Barcha qirralari asos tekisligi bilan φ burchak tashkil qiladi. Piramidaning balandligini toping.
 A) $\frac{65}{16}tg\varphi$ B) $\frac{65}{8}ctg\varphi$ C) $\frac{65}{8}tg\varphi$
 D) $\frac{65}{16}ctg\varphi$
2991. 5.3-3 file-» 58 - 1 - - (719689)
 Muntazam oltiburchakli prizмага radiusi 2 ga teng bo'lgan shar ichki chizilgan. Prizmaning to'la sirtini toping.
 A) $42\sqrt{3}$ B) $48\sqrt{3}$ C) $56\sqrt{3}$ D) $36\sqrt{3}$
2992. 5.3-3 file-» 50 - 163 - - (719690)
 Uchburchakli piramida asosining tomonlari 4, 13 va 15 ga teng. Uning barcha yon qirralari asos tekisligi bilan 30° burchak tashkil qiladi. Piramidaning balandligini toping.
 A) $\frac{65\sqrt{3}}{8}$ B) $\frac{65}{16}$ C) $\frac{65\sqrt{3}}{16}$ D) $\frac{65\sqrt{3}}{24}$
2993. 5.3-3 file-» 50 - 163 - - (719691)
 Uchburchakli piramida asosining tomonlari 5, 12 va 13 ga teng. Uning barcha yon qirralari asos tekisligi bilan 30° burchak tashkil qiladi. Piramidaning balandligini toping.
 A) $\frac{13\sqrt{3}}{6}$ B) $\frac{13\sqrt{3}}{2}$ C) $\frac{13}{4}$ D) $\frac{13\sqrt{3}}{4}$
2994. 5.3-3 file-» 50 - 163 - - (719692)
 Uchburchakli piramida asosining tomonlari 9, 10 va 17 ga teng. Uning barcha yon qirralari asos tekisligi bilan 30° burchak tashkil qiladi. Piramidaning balandligini toping.
 A) $\frac{85\sqrt{3}}{16}$ B) $\frac{85\sqrt{3}}{24}$ C) $\frac{85\sqrt{3}}{8}$ D) $\frac{85}{16}$
2995. 5.3-3 file-» 50 - 163 - - (719693)
 Uchburchakli piramida asosining tomonlari 9, 12 va 15 ga teng. Uning barcha yon qirralari asos tekisligi bilan 30° burchak tashkil qiladi. Piramidaning balandligini toping.
 A) $\frac{15}{4}$ B) $\frac{15\sqrt{3}}{4}$ C) $\frac{5\sqrt{3}}{2}$ D) $\frac{15\sqrt{3}}{2}$
2996. 5.3-3 file-» 50 - 163 - - (719694)
 Uchburchakli piramida asosining tomonlari 12, 16 va 20 ga teng. Uning barcha yon qirralari asos tekisligi bilan 30° burchak tashkil qiladi. Piramidaning balandligini toping.
 A) $10\sqrt{3}$ B) 5 C) $5\sqrt{3}$ D) $\frac{10\sqrt{3}}{3}$

2997. 5.3-3 file-» 50 - 163 - - (719695)
 Uchburchakli piramida asosining tomonlari 6, 8 va 10 ga teng. Uning barcha yon qirralari asos tekisligi bilan 30° burchak tashkil qiladi. Piramidaning balandligini toping.
 A) $\frac{5\sqrt{3}}{3}$ B) $5\sqrt{3}$ C) $\frac{5}{2}$ D) $\frac{5\sqrt{3}}{2}$
2998. 5.3-3 file-» 50 - 163 - - (719696)
 Uchburchakli piramida asosining tomonlari 13, 14 va 15 ga teng. Uning barcha yon qirralari asos tekisligi bilan 30° burchak tashkil qiladi. Piramidaning balandligini toping.
 A) $\frac{65\sqrt{3}}{16}$ B) $\frac{65\sqrt{3}}{24}$ C) $\frac{65\sqrt{3}}{8}$ D) $\frac{65}{16}$
2999. 5.3-3 file-» 50 - 163 - - (719697)
 Uchburchakli piramida asosining tomonlari 8, 15 va 17 ga teng. Uning barcha yon qirralari asos tekisligi bilan 30° burchak tashkil qiladi. Piramidaning balandligini toping.
 A) $\frac{17}{4}$ B) $\frac{17\sqrt{3}}{4}$ C) $\frac{17\sqrt{3}}{6}$ D) $\frac{17\sqrt{3}}{2}$
3000. 5.3-3 file-» 50 - 163 - - (719698)
 Uchburchakli piramida asosining tomonlari 11, 13 va 20 ga teng. Uning barcha yon qirralari asos tekisligi bilan 30° burchak tashkil qiladi. Piramidaning balandligini toping.
 A) $\frac{65\sqrt{3}}{6}$ B) $\frac{65}{12}$ C) $\frac{65\sqrt{3}}{12}$ D) $\frac{65\sqrt{3}}{18}$
3001. 5.3-3 file-» 50 - 163 - - (719699)
 Uchburchakli piramida asosining tomonlari 7, 15 va 20 ga teng. Uning barcha yon qirralari asos tekisligi bilan 30° burchak tashkil qiladi. Piramidaning balandligini toping.
 A) $\frac{25\sqrt{3}}{6}$ B) $\frac{25\sqrt{3}}{2}$ C) $\frac{25}{4}$ D) $\frac{25\sqrt{3}}{4}$
3002. 5.3-3 file-» 50 - 163 - - (719700)
 Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 4, 13 va 15 ga teng uchburchakdan iborat. Piramidaning balandligini toping.
 A) $\frac{3}{4}$ B) $\frac{3\sqrt{3}}{2}$ C) $\frac{\sqrt{3}}{2}$ D) $\frac{3\sqrt{3}}{4}$
3003. 5.3-3 file-» 50 - 163 - - (719701)
 Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 12, 16 va 20 ga teng uchburchakdan iborat. Piramidaning balandligini toping.
 A) $2\sqrt{3}$ B) 2 C) $4\sqrt{3}$ D) $\frac{4\sqrt{3}}{3}$
3004. 5.3-3 file-» 50 - 163 - - (719702)
 Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 5, 12 va 13 ga teng uchburchakdan iborat. Piramidaning balandligini toping.
 A) $\frac{2\sqrt{3}}{3}$ B) $\sqrt{3}$ C) 1 D) $2\sqrt{3}$
3005. 5.3-3 file-» 50 - 163 - - (719703)
 Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 9, 10 va 17 ga teng uchburchakdan iborat. Piramidaning balandligini toping.
 A) $2\sqrt{3}$ B) $\frac{2\sqrt{3}}{3}$ C) $\sqrt{3}$ D) 1
3006. 5.3-3 file-» 50 - 163 - - (719704)
 Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 9, 12 va 15 ga teng uchburchakdan iborat. Piramidaning balandligini toping.
 A) $\frac{3}{2}$ B) $3\sqrt{3}$ C) $\sqrt{3}$ D) $\frac{3\sqrt{3}}{2}$
3007. 5.3-3 file-» 50 - 163 - - (719705)
 Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 6, 8 va 10 ga teng uchburchakdan iborat. Piramidaning balandligini toping.
 A) $\sqrt{3}$ B) 1 C) $2\sqrt{3}$ D) $\frac{2\sqrt{3}}{3}$
3008. 5.3-3 file-» 50 - 163 - - (719706)
 Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 8, 15 va 17 ga teng uchburchakdan iborat. Piramidaning balandligini toping.
 A) $\sqrt{3}$ B) $\frac{3\sqrt{3}}{2}$ C) $\frac{3}{2}$ D) $3\sqrt{3}$
3009. 5.3-3 file-» 50 - 163 - - (719707)
 Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 11, 13 va 20 ga teng uchburchakdan iborat. Piramidaning balandligini toping.
 A) $3\sqrt{3}$ B) $\sqrt{3}$ C) $\frac{3\sqrt{3}}{2}$ D) $\frac{3}{2}$
3010. 5.3-3 file-» 50 - 163 - - (719708)
 Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 13, 14 va 15 ga teng uchburchakdan iborat. Piramidaning balandligini toping.
 A) 2 B) $4\sqrt{3}$ C) $\frac{4\sqrt{3}}{3}$ D) $2\sqrt{3}$

3011. 5.3-3 file-» 50 - 163 - - (719709)
Piramidaning barcha yon yoqlari asos tekisligi bilan 60° burchak tashkil qiladi. Uning asosi tomonlari 7, 15 va 20 ga teng uchburchakdan iborat. Piramidaning balandligini toping.
A) $\sqrt{3}$ B) 1 C) $2\sqrt{3}$ D) $\frac{2\sqrt{3}}{3}$
3012. 5.4-3 file-» 22 - 11 - - (36219)
Balandligi $\sqrt{3}$ ga, yasovchisi $2\sqrt{3}$ ga teng бўлган конусга ташқи чизилган шарнинг радиусини топинг.
A) $2\sqrt{3}$ B) 2 C) $3\sqrt{2}$ D) $3\sqrt{3}$
3013. 5.4-3 file-» 22 - 12 - - (36279)
Ясовчиси 15 га, асосининг радиуси 9 га тенг бўлган конусга ички чизилган шарнинг радиусини топинг.
A) 4,5 B) 6 C) $4,5\sqrt{3}$ D) $3\sqrt{2}$
3014. 5.4-3 file-» 16 - 1 - - (56838)
Қирраси 12 га тенг бўлган куб ёқларининг марказлари туташтирилди. Ҳосил бўлган жисмнинг ҳажмини топинг.
A) 288 B) 144 C) 169 D) 216
3015. 5.4-3 file-» 23 - 5 - - (57129)
Мунтазам тўрт бурчакли пирамиданинг баландлиги 9 га, диагональ кесимнинг юзи 54 га тенг. Пирамиданинг ҳажмини топинг.
A) 206 B) 216 C) 648 D) 128
3016. 5.4-3 file-» 23 - 15 - - 2 (64344)
Радиуси 15 га тенг бўлган шарга ички чизилган конуснинг баландлиги 12 га тенг. Конуснинг ҳажмини топинг.
A) 756π B) 486π C) 672π D) 864π
3017. 5.4-3 file-» 19 - 1 - - 3 (68364)
Радиуси 6 га тенг шар конусга ички чизилган. Конус ясовчиси ва баландлиги орасидаги бурчак 30° га тенг. Конус ён сиртининг юзини топинг.
A) 48π B) 96π C) 72π D) 216π
3018. 5.4-3 file-» 22 - 19 - - 4 (69958)
Balandligi 9 га, yasovchisi 15 га тенг конусга ички чизилган шарнинг сиртининг юзини топинг.
A) 56π B) 72π C) 64π D) 48π
3019. 5.4-3 file-» 23 - 13 - - 11 (71131)
Шарга ички чизилган конуснинг асоси шарнинг катта доирасига тенг. Конус ўқ кесимининг юзи 36 га тенг. Шарнинг ҳажмини топинг.
A) 432π B) 144π C) 334π D) 288π
3020. 5.4-3 file-» 22 - 21 - - 4 (105973)
Цилиндрнинг баландлиги ва асосининг радиуси 8 га тенг. Юзи цилиндрнинг тўла сиртига тенг бўлган доиранинг радиусини топинг.
A) 16 B) 8 C) 9 D) 12
3021. 5.4-3 file-» 19 - 5 - - 2 (123049)
Конуснинг ясовчиси 20 га, асосининг диаметри 24 га тенг. Унга ички чизилган шар сиртининг юзини топинг.
A) 169π B) 156π C) 144π D) 289π
3022. 5.4-3 file-» 22 - 11 - - (315542)
Balandligi $\sqrt{3}$ ga, yasovchisi $2\sqrt{3}$ ga teng bo'lgan konusga tashqi chizilgan sharning radiusini toping.
A) $2\sqrt{3}$ B) 2 C) $3\sqrt{2}$ D) $3\sqrt{3}$
3023. 5.4-3 file-» 22 - 12 - - (315543)
Yasovchisi 15 ga, asosining radiusi 9 ga teng bo'lgan konusga ichki chizilgan sharning radiusini toping.
A) 4,5 B) 6 C) $4,5\sqrt{3}$ D) $3\sqrt{2}$
3024. 5.4-3 file-» 22 - 1 - - (315544)
Konusning balandligi 15 ga, yasovchisi 25 ga teng. Konusga ichki chizilgan sharning radiusini toping.
A) 9 B) $6\frac{2}{3}$ C) 12 D) $9\sqrt{3}$
3025. 5.4-3 file-» 6 - 8 - - (315545)
Sharning radiusi $\frac{4\sqrt{3}}{\sqrt{\pi}}$ ga teng. Radiusning oxiridan u bilan 60° li burchak tashkil etadigan kesuvchi tekislik o'tkazilgan. Kesimning yuzini toping.
A) 8 B) 12 C) 16 D) 14
3026. 5.4-3 file-» 16 - 1 - - (315546)
Qirrasini 12 ga teng bo'lgan kub yoqlarining markazlari tutashtirildi. Hosil bo'lgan jismning hajmini toping.
A) 288 B) 144 C) 169 D) 216
3027. 5.4-3 file-» 16 - 1 - - (315547)
Radiusi $3\sqrt{3}$ ga teng bo'lgan sferaga ichki chizilgan eng katta hajmli silindrning balandligini aniqlang.
A) 8 B) 9 C) 6 D) 7
3028. 5.4-3 file-» 16 - 2 - - (315548)
Ikkita qo'shni tomonlarining markazlari orasidagi masofa $3\sqrt{2}$ ga teng bo'lgan kubga tashqi chizilgan shar sirtining yuzini toping.
A) 72π B) 96π C) 108π D) 120π

3029. 5.4-3 file-» 23 - 5 - - (315549)
Muntazam to'rt burchakli piramidaning balandligi 9 ga, diagonal kesimning yuzi 54 ga teng. Piramidaning hajmini toping.
A) 206 B) 216 C) 648 D) 128
3030. 5.4-3 file-» 23 - 15 - - 2 (315550)
Radiusi 15 ga teng bo'lgan sharga ichki chizilgan konusning balandligi 12 ga teng. Konusning hajmini toping.
A) 756π B) 486π C) 672π D) 864π
3031. 5.4-3 file-» 19 - 1 - - 3 (315551)
Radiusi 6 ga teng shar konusga ichki chizilgan. Konus yasovchisi va balandligi orasidagi burchak 30° ga teng. Konus yon sirtining yuzini toping.
A) 48π B) 96π C) 72π D) 216π
3032. 5.4-3 file-» 22 - 19 - - 4 (315552)
Balandligi 9 ga, yasovchisi 15 ga teng konusga ichki chizilgan sharning sirtining yuzini toping.
A) 56π B) 72π C) 64π D) 48π
3033. 5.4-3 file-» 23 - 11 - - 9 (315553)
Radiusi 15 ga teng bo'lgan sferaga balandligi 24 ga teng bo'lgan konus ichki chizilgan. Konusning hajmini toping.
A) 852π B) 1152π C) 720π D) 512π
3034. 5.4-3 file-» 23 - 13 - - 11 (315554)
Sharga ichki chizilgan konusning asosi sharning katta doirasiga teng. Konus o'q kesimining yuzi 36 ga teng. Sharning hajmini toping.
A) 432π B) 144π C) 334π D) 288π
3035. 5.4-3 file-» 22 - 21 - - 4 (315555)
Konusning balandligi 24 ga, o'q kesimining perimetri 72 ga teng. Uning hajmini toping.
A) 360π B) 720π C) 800π D) 400π
3036. 5.4-3 file-» 22 - 21 - - 4 (315556)
Silindrning balandligi va asosining radiusi 8 ga teng. Yuzi silindrning to'la sirtiga teng bo'lgan doiraning radiusini toping.
A) 16 B) 8 C) 9 D) 12
3037. 5.4-3 file-» 19 - 5 - - 2 (315557)
Konusning yasovchisi 20 ga, asosining diametri 24 ga teng. Unga ichki chizilgan shar sirtining yuzini toping.
A) 169π B) 156π C) 144π D) 289π
3038. 5.4-3 file-» 16 - 9 - - 10 (315558)
Kubga ichki chizilgan silindrning hajmi 16π ga teng. Shu kubga tashqi chizilgan sferaning yuzini toping.
A) 16π B) 32π C) 48π D) 24π
3039. 5.4-3 file-» 23 - 20 - - 9 (315559)
Konusning o'q kesimi muntazam uchburchakdan iborat. Uchburchakning yuzi $49\sqrt{3}$ ga teng. Konusning to'la sirtini toping.
A) 147π B) 49π C) 137π D) 98π
3040. 5.4-3 file-» 16 - 13 - - 7 (315560)
Muntazam to'rtburchakli prizmaning hajmi 1944 ga, yon sirti $432\sqrt{2}$ ga teng. Prizma asosining simmetriya markazidan ustki asosining uchigacha bo'lgan masofani toping.
A) 12 B) 9 C) 15 D) 8
3041. 5.4-3 file-» 38 - 1 - - (315561)
Asosining tomonlari 12; 9 va 15 hamda asosidagi barcha ikki yoqli burchaklari 60° dan iborat bo'lgan uchburchakli piramidaning hajmini toping.
A) $54\sqrt{3}$ B) $162\sqrt{3}$ C) $108\sqrt{3}$ D) $27\sqrt{3}$
3042. 5.4-3 file-» 50 - 81 - - (402121)
Quyidagi tasdiqlarning qaysilari noto'g'ri?
1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;
2) o'xshash bo'lgan ikkita jism hajmlarining nisbati ularning mos chiziqli o'lchovlari kvadratlarning nisbatiga teng;
3) silindrning hajmi asosining yuzi bilan balandligining ko'paytmasiga teng;
4) konusning hajmi asos yuzi bilan balandligi ko'paytmasining uch baravariga teng;
5) asosining radiusi R ga, yasovchisi l ga teng konus yon sirtining yuzi $2\pi Rl$ ga teng;
A) 2; 4; 5 B) 1; 3; 4 C) 2; 3; 5 D) 1; 4; 5
3043. 5.4-3 file-» 50 - 81 - - (402122)
Quyidagi tasdiqlarning qaysilari noto'g'ri?
1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;
2) silindrning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;
3) konusning hajmi asos yuzi bilan balandligi ko'paytmasining uchdan biriga teng;
4) sharning hajmi $\frac{3}{4}\pi R^3$ ga teng;
5) asosining radiusi R ga, balandligi h ga teng silindr yon sirtining yuzi πRh ga teng;
A) 1; 3; 4 B) 2; 4; 5 C) 1; 2; 5 D) 2; 3; 4

3044. 5.4-3 file-» 50 - 81 - - (402123)
 Quyidagi tasdiqlarning qaysilari noto'g'ri?
 1) o'xshash bo'lgan ikkita jism hajmlarining nisbati ularning mos chiziqli o'lchovlari kublarining nisbatiga teng;
 2) konusning hajmi asos yuzi bilan balandligi ko'paytmasining uch baravariga teng;
 3) asosining radiusi R ga, balandligi h ga teng silindr yon sirtining yuzi $2\pi Rh$ ga teng;
 4) asosining radiusi R ga, yasovchisi l ga teng konus yon sirtining yuzi $2\pi Rl$ ga teng;
 5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar segmentining hajmi $\frac{2}{3}\pi R^2 H$ ga teng;
 A) 2; 3; 4 B) 1; 3; 5 C) 2; 4; 5 D) 1; 3; 4
3045. 5.4-3 file-» 50 - 81 - - (402124)
 Quyidagi tasdiqlarning qaysilari noto'g'ri?
 1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;
 2) o'xshash bo'lgan ikkita jism hajmlarining nisbati ularning mos chiziqli o'lchovlari kvadratlarining nisbatiga teng;
 3) sharining hajmi $\frac{4}{3}\pi R^3$ ga teng;
 4) asosining radiusi R ga, balandligi h ga teng silindr yon sirtining yuzi πRh ga teng;
 5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar sektorining hajmi $\pi H^2(R - \frac{H}{3})$ ga teng;
 A) 1; 2; 4 B) 2; 3; 5 C) 1; 3; 4 D) 2; 4; 5
3046. 5.4-3 file-» 50 - 81 - - (402125)
 Quyidagi tasdiqlarning qaysilari noto'g'ri?
 1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uch baravariga teng;
 2) silindrning hajmi asosining yuzi bilan balandligining ko'paytmasiga teng;
 3) konusning hajmi asos yuzi bilan balandligi ko'paytmasining uch baravariga teng;
 4) asosining radiusi R ga, yasovchisi l ga teng konus yon sirtining yuzi $2\pi Rl$ ga teng;
 5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar segmentining hajmi $\pi H^2(R - \frac{H}{3})$ ga teng;
A) 1; 3; 4 B) 2; 3; 5 C) 1; 3; 5 D) 2; 4; 5
3047. 5.4-3 file-» 50 - 81 - - (402126)
 Quyidagi tasdiqlarning qaysilari noto'g'ri?
 1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uch baravariga teng;
 2) silindrning hajmi asosining yuzi bilan balandligining ko'paytmasiga teng;
 3) sharining hajmi $\frac{3}{4}\pi R^3$ ga teng;
 4) asosining radiusi R ga, yasovchisi l ga teng konus yon sirtining yuzi πRl ga teng;
 5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar segmentining hajmi $\frac{2}{3}\pi R^2 H$ ga teng;
A) 1; 3; 5 B) 2; 4; 5 C) 1; 3; 4 D) 2; 3; 5
3048. 5.4-3 file-» 50 - 81 - - (402127)
 Quyidagi tasdiqlarning qaysilari noto'g'ri?
 1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;
 2) o'xshash bo'lgan ikkita jism hajmlarining nisbati ularning mos chiziqli o'lchovlari kvadratlarining nisbatiga teng;
 3) sharining hajmi $\frac{4}{3}\pi R^3$ ga teng;
 4) asosining radiusi R ga, balandligi h ga teng silindr yon sirtining yuzi πRh ga teng;
 5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar sektorining hajmi $\pi H^2(R - \frac{H}{3})$ ga teng;
 A) 1; 3; 4 B) 2; 4; 5 C) 1; 2; 5 D) 1; 3; 5
3049. 5.4-3 file-» 50 - 81 - - (402128)
 Quyidagi tasdiqlarning qaysilari noto'g'ri?
 1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uch baravariga teng;
 2) o'xshash bo'lgan ikkita jism hajmlarining nisbati ularning mos chiziqli o'lchovlari kublarining nisbatiga teng;
 3) silindrning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;
 4) asosining radiusi R ga, balandligi h ga teng silindr yon sirtining yuzi $2\pi Rh$ ga teng;
 5) asosining radiusi R ga, yasovchisi l ga teng konus yon sirtining yuzi $2\pi Rl$ ga teng;
 A) 1; 2; 4 B) 2; 4; 5 C) 1; 3; 5 D) 2; 3; 5

3050. 5.4-3 file-» 50 - 81 - - (402129)
 Quyidagi tasdiqlarning qaysilari noto'g'ri?
 1) o'xshash bo'lgan ikkita jism hajmlarining nisbati ularning mos chiziqli o'lchovlari kvadratlarining nisbatiga teng;
 2) silindrning hajmi asosining yuzi bilan balandligining ko'paytmasiga teng;
 3) konusning hajmi asos yuzi bilan balandligi ko'paytmasining uch baravariga teng;
 4) asosining radiusi R ga, yasovchisi l ga teng konus yon sirtining yuzi πRl ga teng;
 5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar segmentining hajmi $\frac{2}{3}\pi R^2 H$ ga teng;
 A) 1;3;4 B) 2;3;5 C) 2;4;5 **D) 1;3;5**

3051. 5.4-3 file-» 50 - 81 - - (402130)
 Quyidagi tasdiqlarning qaysilari noto'g'ri?
 1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uch baravariga teng;
 2) silindrning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;
 3) konusning hajmi asos yuzi bilan balandligi ko'paytmasining uchdan biriga teng;
 4) asosining radiusi R ga, balandligi h ga teng silindr yon sirtining yuzi πRh ga teng;
 5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar sektorining hajmi $\frac{2}{3}\pi R^2 H$ ga teng;
A) 1;2;4 B) 2;3;4 C) 1;2;5 D) 3;4;5

3052. 5.4-3 file-» 50 - 81 - - (402131)
 Quyidagi tasdiqlarning qaysilari noto'g'ri?
 1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;
 2) o'xshash bo'lgan ikkita jism hajmlarining nisbati ularning mos chiziqli o'lchovlari kvadratlarining nisbatiga teng;
 3) sharning hajmi $\frac{3}{4}\pi R^3$ ga teng;
 4) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar segmentining hajmi $\pi H^2(R - \frac{H}{3})$ ga teng;
 5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar sektorining hajmi $\pi H^2(R - \frac{H}{3})$ ga teng;
A) 2;3;5 B) 1;4;5 C) 2;4;5 D) 1;3;4

3053. 5.4-3 file-» 50 - 81 - - (402132)
 Quyidagi tasdiqlarning qaysilari noto'g'ri?
 1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uch baravariga teng;
 2) konusning hajmi asos yuzi bilan balandligi ko'paytmasining uchdan biriga teng;
 3) asosining radiusi R ga, balandligi h ga teng silindr yon sirtining yuzi πRh ga teng;
 4) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar segmentining hajmi $\pi H^2(R - \frac{H}{3})$ ga teng;
 5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar sektorining hajmi $\pi H^2(R - \frac{H}{3})$ ga teng;
 A) 1;3;4 **B) 1;3;5** C) 2;4;5 D) 1;2;4

3054. 5.4-3 file-» 50 - 81 - - (402133)
 Quyidagi tasdiqlarning qaysilari noto'g'ri?
 1) o'xshash bo'lgan ikkita jism hajmlarining nisbati ularning mos chiziqli o'lchovlari kublarining nisbatiga teng;
 2) silindrning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;
 3) sharning hajmi $\frac{4}{3}\pi R^3$ ga teng;
 4) asosining radiusi R ga, yasovchisi l ga teng konus yon sirtining yuzi $2\pi Rl$ ga teng;
 5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar segmentining hajmi $\frac{2}{3}\pi R^2 H$ ga teng;
 A) 2;3;5 B) 1;3;4 **C) 2;4;5** D) 1;3;5

3055. 5.4-3 file-» 50 - 81 - - (402134)
 Quyidagi tasdiqlarning qaysilari noto'g'ri?
 1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uchdan biriga teng;
 2) o'xshash bo'lgan ikkita jism hajmlarining nisbati ularning mos chiziqli o'lchovlari kvadratlarining nisbatiga teng;
 3) konusning hajmi asos yuzi bilan balandligi ko'paytmasining uch baravariga teng;
 4) asosining radiusi R ga, balandligi h ga teng silindr yon sirtining yuzi $2\pi Rh$ ga teng;
 5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar sektorining hajmi $\pi H^2(R - \frac{H}{3})$ ga teng;
 A) 1;3;4 B) 2;4;5 C) 1;4;5 **D) 2;3;5**

3056. 5.4-3 file-» 50 - 81 - - (402135)
 Quyidagi tasdiqlarning qaysilari noto'g'ri?
 1) piramidaning hajmi asosining yuzi bilan balandligi ko'paytmasining uch baravariga teng;
 2) silindrning hajmi asosining yuzi bilan balandligining ko'paytmasiga teng;
 3) sharning hajmi $\frac{3}{4}\pi R^3$ ga teng;
 4) asosining radiusi R ga, yasovchisi l ga teng konus yon sirtining yuzi $2\pi Rl$ ga teng;
 5) radiusi R ga, segmentining balandligi H ga teng bo'lgan shar sektorining hajmi $\frac{2}{3}\pi R^2 H$ ga teng;
A) 1; 3; 4 B) 2; 3; 5 C) 1; 4; 5 D) 2; 4; 5
3057. 5.4-3 file-» 22 - 11 - - (402136)
 Hajmi 384 bo'lgan to'rt burchakli muntazam piramida asosining tomoni 12 ga teng. Piramida yon sirtining yuzini toping.
 A) 576 **B) 240** C) 288 D) 480
3058. 5.4-3 file-» 22 - 12 - - (402137)
 Asosining tomonlari 10; 17 va 21 bo'lgan uchburchakli to'g'ri prizmaning yon qirrasini asosining kichik balandligiga teng. Prizmaning hajmini toping.
 A) 224 **B) 672** C) 840 D) 368
3059. 5.4-3 file-» 22 - 12 - - (402138)
 Hajmi 10368 bo'lgan to'rt burchakli muntazam piramida asosining tomoni 36 ga teng. Piramida yon sirtining yuzini toping.
 A) 1080 **B) 2160** C) 720 D) 1800
3060. 5.4-3 file-» 22 - 14 - - (402139)
 To'g'ri prizmaning asosi gipotenuzasi $24\sqrt{2}$ ga teng bo'lgan teng yonli to'g'ri burchakli uchburchakdan iborat. Kateti orqali o'tgan yon yog'ining diagonali esa 26 ga teng. Prizmaning hajmini toping.
A) 2880 B) 960 C) 5760 D) 1920
3061. 5.4-3 file-» 22 - 1 - - (402140)
 Uchburchakli to'g'ri prizmaning asosi tomonlari 29; 25 va 6 ga, yon qirrasini esa asosining katta balandligiga teng. Prizmaning hajmini toping.
 A) 1425 B) 878 C) 400 **D) 1200**
3062. 5.4-3 file-» 12 - 1 - - (402141)
 Konus asosiga tomoni $6\sqrt{3}$ bo'lgan muntazam uchburchak ichki chizilgan. Konus yasovchisi 10 bo'lsa, uning hajmini toping.
 A) 72π B) 48π C) 36π **D) 96π**
3063. 5.4-3 file-» 16 - 2 - - (402142)
 Kesik konusga shar ichki chizilgan. Konusning ustki asosini yuzi 36π ga, ostki asosiniki esa 64π ga teng. Shar sirtining yuzini toping.
 A) 172π **B) 192π** C) 144π D) 156π
3064. 5.4-3 file-» 13 - 1 - - 1 (402143)
 To'rtburchakli muntazam kesik piramida asoslarining tomonlari 8 va 2 ga, balandligi 4 ga teng. Uning to'la sirtini toping.
A) 168 B) 169 C) 168,1 D) 170
3065. 5.4-3 file-» 2 - 2 - - 8 (402144)
 Hajmi $85\frac{1}{3}$ ga teng bo'lgan muntazam to'rtburchakli piramidaning asosidagi ikki yoqli burchaklari 45° . Piramida asosining tomonini toping.
 A) 6 **B) 8** C) 4 D) 12
3066. 5.4-3 file-» 2 - 3 - - 2 (402145)
 Uchburchakli piramida asosining tomonlari 9; 10 va 17 ga teng. Piramidaning barcha yon yoqlari asos tekisligi bilan 45° li burchak tashkil etsa, uning hajmini toping.
A) 24 B) 36 C) 32 D) 21
3067. 5.4-3 file-» 19 - 2 - - 3 (402146)
 Muntazam uchburchakli prizmaning hajmi $27\sqrt{3}$ ga, asosiga tashqi chizilgan aylananing radiusi esa 2 ga teng. Prizmaning balandligini toping.
 A) 12 **B) 9** C) 6 D) 15
3068. 5.4-3 file-» 22 - 21 - - 4 (402147)
 To'g'ri parallelepipedning asosi rombdan iborat bo'lib, uning diagonallari nisbati 2:5 kabi. Parallelepipedning diagonallari 10 va 17 ga teng bo'lsa, uning hajmini toping.
A) 360 B) 240 C) 720 D) 480
3069. 5.4-3 file-» 23 - 18 - - 7 (402148)
 Teng tomonli konus o'q kesimining yuzi $16\sqrt{3}$ ga teng. Shu konus yon sirtining yuzini toping.
 A) 30π **B) 32π** C) 34π D) 28π
3070. 5.4-3 file-» 22 - 22 - - 11 (402149)
 Konus asosining yuzi 9π ga, yon sirtining yuzi 15π ga teng. Shu konusga ichki chizilgan sferaning radiusini toping.
A) 1,5 B) 1,8 C) 2 D) 2,4
3071. 5.4-3 file-» 2 - 45 - - 4 (402150)
 To'rtburchakli muntazam piramidaning balandligi 15 ga, diagonal kesimining yuzi 120 ga teng. Shu piramidaning hajmini toping.
A) 640 B) 1280 C) 980 D) 600
3072. 5.4-3 file-» 50 - 126 - - (704674)
 Muntazam to'rtburchakli piramidaning yon sirti $144\sqrt{2}$ ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{4}$ ga teng. Piramidaning hajmini toping.
 A) $144\sqrt{2}$ B) $288\sqrt{2}$ C) $432\sqrt{2}$ **D) 288**

3073. 5.4-3 file-» 50 - 126 - - (704675)
Muntazam to'rtburchakli piramidaning yon sirti $324\sqrt{2}$ ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{4}$ ga teng. Piramidaning hajmini toping.
A) 972 B) $486\sqrt{2}$ C) $972\sqrt{2}$
D) $1458\sqrt{2}$
3074. 5.4-3 file-» 50 - 126 - - (704676)
Muntazam to'rtburchakli piramidaning yon sirti $576\sqrt{2}$ ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{4}$ ga teng. Piramidaning hajmini toping.
A) $3456\sqrt{2}$ B) 2304 C) $1152\sqrt{2}$
D) $2304\sqrt{2}$
3075. 5.4-3 file-» 50 - 126 - - (704677)
Muntazam to'rtburchakli piramidaning yon sirti 72 ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{3}$ ga teng. Piramidaning hajmini toping.
A) 72 B) $54\sqrt{3}$ C) $36\sqrt{3}$ D) $18\sqrt{3}$
3076. 5.4-3 file-» 50 - 126 - - (704678)
Muntazam to'rtburchakli piramidaning yon sirti 288 ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{3}$ ga teng. Piramidaning hajmini toping.
A) $144\sqrt{3}$ B) 576 C) $432\sqrt{3}$ D) $288\sqrt{3}$
3077. 5.4-3 file-» 50 - 126 - - (704679)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 6 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{6}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) 1728 B) $768\sqrt{3}$ C) 1152 D) $192\sqrt{3}$
3078. 5.4-3 file-» 50 - 126 - - (704680)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 3 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{4}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) $36\sqrt{2}$ B) $108\sqrt{2}$ C) $72\sqrt{2}$ D) 72
3079. 5.4-3 file-» 50 - 126 - - (704681)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 3 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{3}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) 48 B) 72 C) $72\sqrt{3}$ D) 96
3080. 5.4-3 file-» 50 - 126 - - (704682)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 3 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{6}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) $96\sqrt{3}$ B) 144 C) $24\sqrt{3}$ D) 216
3081. 5.4-3 file-» 50 - 126 - - (704683)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 6 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{4}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) $864\sqrt{2}$ B) $576\sqrt{2}$ C) 576 D) $288\sqrt{2}$
3082. 5.4-3 file-» 50 - 126 - - (704684)
Uchburchakli piramida asosining tomonlari 3; 6 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $2\sqrt{3}$ B) $4\sqrt{3}$ C) $12\sqrt{3}$ D) $8\sqrt{3}$
3083. 5.4-3 file-» 50 - 126 - - (704685)
Uchburchakli piramida asosining tomonlari 3; 8 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $12\sqrt{3}$ B) $3\sqrt{3}$ C) $6\sqrt{3}$ D) $18\sqrt{3}$
3084. 5.4-3 file-» 50 - 126 - - (704686)
Uchburchakli piramida asosining tomonlari 4; 6 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $18\sqrt{3}$ B) $12\sqrt{3}$ C) $3\sqrt{3}$ D) $6\sqrt{3}$
3085. 5.4-3 file-» 50 - 126 - - (704687)
Uchburchakli piramida asosining tomonlari 4; 7 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $7\sqrt{3}$ B) $21\sqrt{3}$ C) $14\sqrt{3}$ D) $\frac{7\sqrt{3}}{2}$
3086. 5.4-3 file-» 50 - 126 - - (704688)
Uchburchakli piramida asosining tomonlari 4; 8 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $4\sqrt{3}$ B) $8\sqrt{3}$ C) $24\sqrt{3}$ D) $16\sqrt{3}$

3087. 5.4-3 file-» 50 - 126 - - (704689)
Uchburchakli piramida asosining tomonlari 3; 8 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) 48 B) 32 C) 8 **D) 16**
3088. 5.4-3 file-» 50 - 126 - - (704690)
Uchburchakli piramida asosining tomonlari 3; 8 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) 18 B) 54 C) 36 D) 9
3089. 5.4-3 file-» 50 - 126 - - (704691)
Uchburchakli piramida asosining tomonlari 3; 8 va 10 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) 10 **B) 20** C) 60 D) 40
3090. 5.4-3 file-» 50 - 126 - - (704692)
Uchburchakli piramida asosining tomonlari 4; 6 va 4 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) 16 B) 4 **C) 8** D) 24
3091. 5.4-3 file-» 50 - 126 - - (704693)
Uchburchakli piramida asosining tomonlari 4; 5 va 6 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) 30 B) 20 C) 5 **D) 10**
3092. 5.4-3 file-» 50 - 126 - - (704694)
Uchburchakli piramida asosining tomonlari 4; 6 va 7 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) 14 B) 42 C) 28 D) 7
3093. 5.4-3 file-» 50 - 126 - - (704695)
Uchburchakli piramida asosining tomonlari 4; 6 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) 8 **B) 16** C) 48 D) 32
3094. 5.4-3 file-» 50 - 126 - - (704696)
Uchburchakli piramida asosining tomonlari 4; 6 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) 36 B) 9 **C) 18** D) 54
3095. 5.4-3 file-» 50 - 126 - - (704697)
Uchburchakli piramida asosining tomonlari 3; 8 va 10 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) $10\sqrt{3}$ **B) $20\sqrt{3}$** C) $60\sqrt{3}$ D) $40\sqrt{3}$
3096. 5.4-3 file-» 50 - 126 - - (704698)
Uchburchakli piramida asosining tomonlari 4; 6 va 4 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) $16\sqrt{3}$ B) $4\sqrt{3}$ **C) $8\sqrt{3}$** D) $24\sqrt{3}$
3097. 5.4-3 file-» 50 - 126 - - (704699)
Uchburchakli piramida asosining tomonlari 4; 5 va 6 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) $30\sqrt{3}$ B) $20\sqrt{3}$ C) $5\sqrt{3}$ **D) $10\sqrt{3}$**
3098. 5.4-3 file-» 50 - 126 - - (704700)
Uchburchakli piramida asosining tomonlari 4; 6 va 7 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) $14\sqrt{3}$ B) $42\sqrt{3}$ C) $28\sqrt{3}$ D) $7\sqrt{3}$
3099. 5.4-3 file-» 50 - 126 - - (704701)
Uchburchakli piramida asosining tomonlari 4; 6 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) $8\sqrt{3}$ **B) $16\sqrt{3}$** C) $48\sqrt{3}$ D) $32\sqrt{3}$
3100. 5.4-3 file-» 50 - 126 - - (704702)
Uchburchakli piramida asosining tomonlari 4; 6 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) $36\sqrt{3}$ B) $9\sqrt{3}$ **C) $18\sqrt{3}$** D) $54\sqrt{3}$

3101. 5.4-3 file-» 50 - 126 - - (704703)
Uchburchakli piramida asosining tomonlari 4; 8 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) $72\sqrt{3}$ B) $48\sqrt{3}$ C) $12\sqrt{3}$ **D) $24\sqrt{3}$**
3102. 5.4-3 file-» 51 - 1 - - (719710)
Konusning yasovchisi 15 ga, asosining diametri 24 ga teng. Shu konusga ichki chizilgan shar sirtining yuzini toping.
A) 64π B) $\frac{64\pi}{3}$ C) 16π D) 48π
3103. 5.4-3 file-» 51 - 2 - - (719711)
R radiusli sharga ichki chizilgan konusning yasovchisi asos tekisligi bilan β burchak tashkil etadi. Konusning balandligini toping.
A) $2R \sin^2 \beta$ B) $2R \cos^2 \beta$ C) $2R \sin \beta$
D) $2R \cos \beta$
3104. 5.4-3 file-» 51 - 2 - - (719712)
Konus o'q kesimining uchidagi burchagi 120° ga teng. Uning yasovchisi va balandligi uzunliklarining yig'indisi 3 ga teng. Konus yon sirtining yuzini toping.
A) $\sqrt{3}\pi$ B) 3π C) $3\sqrt{3}\pi$ **D) $2\sqrt{3}\pi$**
3105. 5.4-3 file-» 51 - 2 - - (719713)
To'g'ri prizmaning asosi tomonlari 9, 12 va 15 ga teng bo'lgan uchburchakdan iborat. Agar prizmaning balandligi 6 ga teng bo'lsa, unga ichki chizilgan silindrning hajmini toping.
A) 54π B) 18π C) 36π D) 63π
3106. 5.4-3 file-» 51 - 2 - - (719714)
Silindr o'q kesimining diagonali 25 ga, asosining radiusi 3, 5 ga teng. Silindr yon sirtining yuzini toping.
A) $192,5\pi$ B) 175π **C) 168π** D) 294π
3107. 5.4-3 file-» 50 - 133 - - (719715)
Muntazam to'rtburchakli piramidaning yon sirti $24\sqrt{3}$ ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{6}$ ga teng. Piramidaning hajmini toping.
A) 54 **B) $12\sqrt{3}$** C) 18 D) $24\sqrt{3}$
3108. 5.4-3 file-» 50 - 133 - - (719716)
Muntazam to'rtburchakli piramidaning yon sirti $96\sqrt{3}$ ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{6}$ ga teng. Piramidaning hajmini toping.
A) $192\sqrt{3}$ B) 432 **C) $96\sqrt{3}$** D) 144
3109. 5.4-3 file-» 50 - 133 - - (719717)
Muntazam to'rtburchakli piramidaning yon sirti $216\sqrt{3}$ ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{6}$ ga teng. Piramidaning hajmini toping.
A) 486 B) $648\sqrt{3}$ C) 1458 **D) $324\sqrt{3}$**
3110. 5.4-3 file-» 50 - 133 - - (719718)
Muntazam to'rtburchakli piramidaning yon sirti $384\sqrt{3}$ ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{6}$ ga teng. Piramidaning hajmini toping.
A) $768\sqrt{3}$ B) 1152 C) $1536\sqrt{3}$ D) 3456
3111. 5.4-3 file-» 50 - 133 - - (719719)
Muntazam to'rtburchakli piramidaning yon sirti $36\sqrt{2}$ ga, asosidagi ikki yoqli burchaklari $\frac{\pi}{4}$ ga teng. Piramidaning hajmini toping.
A) $54\sqrt{2}$ **B) 36** C) $18\sqrt{2}$ D) $36\sqrt{2}$
3112. 5.4-3 file-» 50 - 133 - - (719720)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 6 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{3}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) 384 B) 576 C) $576\sqrt{3}$ **D) 768**
3113. 5.4-3 file-» 50 - 133 - - (719721)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 2 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{4}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) $\frac{64\sqrt{2}}{3}$ B) $\frac{64}{3}$ C) $\frac{32\sqrt{2}}{3}$ D) $32\sqrt{2}$
3114. 5.4-3 file-» 50 - 133 - - (719722)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 2 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{3}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) $\frac{64\sqrt{3}}{3}$ **B) $\frac{256}{9}$** C) $\frac{128}{9}$ D) $\frac{64}{3}$
3115. 5.4-3 file-» 50 - 133 - - (719723)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 2 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{6}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) $\frac{64\sqrt{3}}{9}$ B) 64 **C) $\frac{256\sqrt{3}}{9}$** D) $\frac{128}{3}$

3116. 5.4-3 file-» 50 - 133 - - (719724)
Muntazam to'rtburchakli piramidaning asosini markazidan uning yon yog'igacha bo'lgan masofa 4 ga teng. Uning yon yoqlari asos tekisligi bilan $\frac{\pi}{4}$ burchak hosil qiladi. Piramidaning hajmini toping.
A) $\frac{512}{3}$ B) $\frac{256\sqrt{2}}{3}$ C) $256\sqrt{2}$
D) $\frac{512\sqrt{2}}{3}$
3117. 5.4-3 file-» 50 - 133 - - (719725)
Uchburchakli piramida asosining tomonlari 1; 6 va 6 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $\frac{\sqrt{3}}{2}$ B) $\sqrt{3}$ C) $3\sqrt{3}$ D) $2\sqrt{3}$
3118. 5.4-3 file-» 50 - 133 - - (719726)
Uchburchakli piramida asosining tomonlari 2; 8 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $8\sqrt{3}$ B) $2\sqrt{3}$ C) $4\sqrt{3}$ D) $12\sqrt{3}$
3119. 5.4-3 file-» 50 - 133 - - (719727)
Uchburchakli piramida asosining tomonlari 2; 9 va 10 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $15\sqrt{3}$ B) $10\sqrt{3}$ C) $\frac{5\sqrt{3}}{2}$ D) $5\sqrt{3}$
3120. 5.4-3 file-» 50 - 133 - - (719728)
Uchburchakli piramida asosining tomonlari 3; 4 va 6 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $2\sqrt{3}$ B) $6\sqrt{3}$ C) $4\sqrt{3}$ D) $\sqrt{3}$
3121. 5.4-3 file-» 50 - 133 - - (719729)
Uchburchakli piramida asosining tomonlari 3; 6 va 6 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{6}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) $\frac{3\sqrt{3}}{2}$ B) $3\sqrt{3}$ C) $9\sqrt{3}$ D) $6\sqrt{3}$
3122. 5.4-3 file-» 50 - 133 - - (719730)
Uchburchakli piramida asosining tomonlari 2; 3 va 4 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) 2 B) 6 C) 4 D) 1
3123. 5.4-3 file-» 50 - 133 - - (719731)
Uchburchakli piramida asosining tomonlari 2; 8 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) 12 B) 36 C) 24 D) 6
3124. 5.4-3 file-» 50 - 133 - - (719732)
Uchburchakli piramida asosining tomonlari 3; 4 va 4 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) 4 B) 12 C) 8 D) 2
3125. 5.4-3 file-» 50 - 133 - - (719733)
Uchburchakli piramida asosining tomonlari 3; 4 va 6 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) 6 B) 18 C) 12 D) 3
3126. 5.4-3 file-» 50 - 133 - - (719734)
Uchburchakli piramida asosining tomonlari 3; 6 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) 12 B) 36 C) 24 D) 6
3127. 5.4-3 file-» 50 - 133 - - (719735)
Uchburchakli piramida asosining tomonlari 3; 7 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) 14 B) 42 C) 28 D) 7
3128. 5.4-3 file-» 50 - 133 - - (719736)
Uchburchakli piramida asosining tomonlari 3; 8 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{4}$ burchak ostida og'ishgan. Piramidaning hajmini toping.
A) 16 B) 48 C) 32 D) 8

3129. 5.4-3 file-» 50 - 133 - - (719737)
Uchburchakli piramida asosining tomonlari 2; 3 va 4 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) $2\sqrt{3}$ B) $6\sqrt{3}$ C) $4\sqrt{3}$ D) $\sqrt{3}$
3130. 5.4-3 file-» 50 - 133 - - (719738)
Uchburchakli piramida asosining tomonlari 2; 8 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) $12\sqrt{3}$ B) $36\sqrt{3}$ C) $24\sqrt{3}$ D) $6\sqrt{3}$
3131. 5.4-3 file-» 50 - 133 - - (719739)
Uchburchakli piramida asosining tomonlari 3; 4 va 4 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) $4\sqrt{3}$ B) $12\sqrt{3}$ C) $8\sqrt{3}$ D) $2\sqrt{3}$
3132. 5.4-3 file-» 50 - 133 - - (719740)
Uchburchakli piramida asosining tomonlari 3; 4 va 6 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) $6\sqrt{3}$ B) $18\sqrt{3}$ C) $12\sqrt{3}$ D) $3\sqrt{3}$
3133. 5.4-3 file-» 50 - 133 - - (719741)
Uchburchakli piramida asosining tomonlari 3; 6 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) $12\sqrt{3}$ B) $36\sqrt{3}$ C) $24\sqrt{3}$ D) $6\sqrt{3}$
3134. 5.4-3 file-» 50 - 133 - - (719742)
Uchburchakli piramida asosining tomonlari 3; 7 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) $14\sqrt{3}$ B) $42\sqrt{3}$ C) $28\sqrt{3}$ D) $7\sqrt{3}$
3135. 5.4-3 file-» 50 - 133 - - (719743)
Uchburchakli piramida asosining tomonlari 3; 8 va 8 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) $16\sqrt{3}$ B) $48\sqrt{3}$ C) $32\sqrt{3}$ D) $8\sqrt{3}$
3136. 5.4-3 file-» 50 - 133 - - (719744)
Uchburchakli piramida asosining tomonlari 3; 8 va 9 ga teng. Uning barcha yon qirralari asos tekisligiga $\frac{\pi}{3}$ burchak ostida og'ishgan.
Piramidaning hajmini toping.
A) $18\sqrt{3}$ B) $54\sqrt{3}$ C) $36\sqrt{3}$ D) $9\sqrt{3}$
3137. 5.4-4 file-» 22 - 1 - - (36780)
Конуснинг баландлиги 15 га, ясовчиси 25 га тенг. Конусга ички чизилган шарнинг радиусини топинг.
A) 9 B) $6\frac{2}{3}$ C) 12 D) $9\sqrt{3}$
3138. 5.4-4 file-» 6 - 8 - - (56513)
Шарнинг радиуси $\frac{4\sqrt{3}}{\sqrt{\pi}}$ га тенг. Радиуснинг охиридан у билан 60° ли бурчак ташкил этадиган кесувчи текислик ўтказилган. Кесимнинг юзини топинг.
A) 8 B) 12 C) 16 D) 14
3139. 5.4-4 file-» 16 - 1 - - (56850)
Радиуси $3\sqrt{3}$ га тенг бўлган сферага ички чизилган энг катта ҳажмли цилиндрнинг баландлигини аниқланг.
A) 8 B) 9 C) 6 D) 7
3140. 5.4-4 file-» 16 - 2 - - (56888)
Иккита қўшни томонларининг марказлари орасидаги масофа $3\sqrt{2}$ га тенг бўлган кубга ташқи чизилган шар сиртининг юзини топинг.
A) 72π B) 96π C) 108π D) 120π
3141. 5.4-4 file-» 23 - 11 - - 9 (71007)
Радиуси 15 га тенг бўлган сферага баландлиги 24 га тенг бўлган конус ички чизилган. Конуснинг ҳажмини топинг.
A) 852π B) 1152π C) 720π D) 512π
3142. 5.4-4 file-» 22 - 21 - - 4 (105972)
Конуснинг баландлиги 24 га, ўқ кесимининг периметри 72 га тенг. Унинг ҳажмини топинг.
A) 360π B) 720π C) 800π D) 400π
3143. 5.4-4 file-» 16 - 9 - - 10 (131124)
Кубга ички чизилган цилиндрнинг ҳажми 16π га тенг. Шу кубга ташқи чизилган сферанинг юзини топинг.
A) 16π B) 32π C) 48π D) 24π
3144. 5.4-4 file-» 23 - 20 - - 9 (132701)
Конуснинг ўқ кесими мунтазам учбурчакдан иборат. Учбурчакнинг юзи $49\sqrt{3}$ га тенг. Конуснинг тўла сиртини топинг.
A) 147π B) 49π C) 137π D) 98π

3145. 5.4-4 file-» 16 - 13 - - 7 (147449)
 Мунтазам тўртбурчакли призманинг ҳажми 1944 га, ён сирти $432\sqrt{2}$ га тенг. Призма асосининг симметрия марказидан устки асосининг учигача бўлган масофани топинг.
 A) 12 B) 9 **C) 15** D) 8

3146. 5.4-4 file-» 38 - 1 - - (151367)
 Асосининг томонлари 12; 9 ва 15 ҳамда асосидаги барча икки ёқли бурчаклари 60° дан иборат бўлган учбурчакли пирамиданинг ҳажмини топинг.
A) $54\sqrt{3}$ B) $162\sqrt{3}$ C) $108\sqrt{3}$ D) $27\sqrt{3}$

3147. 6.1-1 file-» 50 - 137 - - (704705)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = 11$ bo'lsa, $tg\alpha$ ning qiymatini toping.
 A) $\frac{6}{5}$ **B) $-\frac{5}{6}$** C) $-\frac{6}{5}$ D) $\frac{5}{6}$

3148. 6.1-1 file-» 50 - 137 - - (704706)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = \frac{19}{5}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
 A) $\frac{7}{12}$ B) $\frac{12}{7}$ **C) $-\frac{7}{12}$** D) $-\frac{12}{7}$

3149. 6.1-1 file-» 50 - 137 - - (704707)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = -31$ bo'lsa, $tg\alpha$ ning qiymatini toping.
 A) $-\frac{15}{16}$ B) $\frac{16}{15}$ C) $\frac{15}{16}$ **D) $-\frac{16}{15}$**

3150. 6.1-1 file-» 50 - 137 - - (704708)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = \frac{29}{11}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $-\frac{9}{20}$ B) $-\frac{20}{9}$ C) $\frac{9}{20}$ D) $\frac{20}{9}$

3151. 6.1-1 file-» 50 - 137 - - (704709)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = \frac{41}{19}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
 A) $\frac{30}{11}$ **B) $-\frac{11}{30}$** C) $-\frac{30}{11}$ D) $\frac{11}{30}$

3152. 6.1-1 file-» 50 - 137 - - (704710)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = \frac{59}{11}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
 A) $\frac{24}{35}$ B) $\frac{35}{24}$ **C) $-\frac{24}{35}$** D) $-\frac{35}{24}$

3153. 6.1-1 file-» 50 - 137 - - (704711)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = -11$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
 A) $\frac{6}{5}$ **B) $-\frac{5}{6}$** C) $-\frac{6}{5}$ D) $\frac{5}{6}$

3154. 6.1-1 file-» 50 - 137 - - (704712)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = -\frac{19}{5}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
 A) $\frac{7}{12}$ B) $\frac{12}{7}$ **C) $-\frac{7}{12}$** D) $-\frac{12}{7}$

3155. 6.1-1 file-» 50 - 137 - - (704713)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = 31$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
 A) $-\frac{15}{16}$ B) $\frac{16}{15}$ C) $\frac{15}{16}$ **D) $-\frac{16}{15}$**

3156. 6.1-1 file-» 50 - 137 - - (704714)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = -\frac{29}{11}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
A) $-\frac{9}{20}$ B) $-\frac{20}{9}$ C) $\frac{9}{20}$ D) $\frac{20}{9}$

3157. 6.1-1 file-» 50 - 137 - - (704715)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = -\frac{41}{19}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
 A) $\frac{30}{11}$ **B) $-\frac{11}{30}$** C) $-\frac{30}{11}$ D) $\frac{11}{30}$

3158. 6.1-1 file-» 50 - 137 - - (704716)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = -\frac{59}{11}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
 A) $\frac{24}{35}$ B) $\frac{35}{24}$ **C) $-\frac{24}{35}$** D) $-\frac{35}{24}$

3159. 6.1-1 file-» 50 - 137 - - (704717)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = \frac{17}{7}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
 A) $-\frac{12}{5}$ **B) $\frac{5}{12}$** C) $\frac{12}{5}$ D) $-\frac{5}{12}$

3160. 6.1-1 file-» 50 - 137 - - (704718)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = \frac{31}{17}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
 A) $-\frac{7}{24}$ B) $-\frac{24}{7}$ **C) $\frac{7}{24}$** D) $\frac{24}{7}$

3161. 6.1-1 file-» 50 - 137 - - (704719)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = \frac{23}{7}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
 A) $\frac{15}{8}$ B) $-\frac{8}{15}$ C) $-\frac{15}{8}$ **D) $\frac{8}{15}$**
3162. 6.1-1 file-» 50 - 137 - - (704720)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = \frac{49}{31}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $\frac{9}{40}$ B) $\frac{40}{9}$ C) $-\frac{9}{40}$ D) $-\frac{40}{9}$
3163. 6.1-1 file-» 50 - 137 - - (704721)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = \frac{71}{49}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
 A) $-\frac{60}{11}$ **B) $\frac{11}{60}$** C) $\frac{60}{11}$ D) $-\frac{11}{60}$
3164. 6.1-1 file-» 50 - 137 - - (704722)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = \frac{47}{23}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
 A) $-\frac{12}{35}$ B) $-\frac{35}{12}$ **C) $\frac{12}{35}$** D) $\frac{35}{12}$
3165. 6.1-1 file-» 50 - 137 - - (704723)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = -11$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
 A) $-\frac{6}{5}$ **B) $\frac{5}{6}$** C) $\frac{6}{5}$ D) $-\frac{5}{6}$
3166. 6.1-1 file-» 50 - 137 - - (704724)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = -\frac{19}{5}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
 A) $-\frac{7}{12}$ B) $-\frac{12}{7}$ **C) $\frac{7}{12}$** D) $\frac{12}{7}$
3167. 6.1-1 file-» 50 - 137 - - (704725)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = 31$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
 A) $\frac{15}{16}$ B) $-\frac{16}{15}$ C) $-\frac{15}{16}$ **D) $\frac{16}{15}$**
3168. 6.1-1 file-» 50 - 137 - - (704726)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = -\frac{29}{11}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
A) $\frac{9}{20}$ B) $\frac{20}{9}$ C) $-\frac{9}{20}$ D) $-\frac{20}{9}$
3169. 6.1-1 file-» 50 - 137 - - (704727)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = -\frac{41}{19}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
 A) $-\frac{30}{11}$ **B) $\frac{11}{30}$** C) $\frac{30}{11}$ D) $-\frac{11}{30}$
3170. 6.1-1 file-» 50 - 137 - - (704728)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = -\frac{59}{11}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
 A) $-\frac{24}{35}$ B) $-\frac{35}{24}$ **C) $\frac{24}{35}$** D) $\frac{35}{24}$
3171. 6.1-1 file-» 50 - 137 - - (704729)
 Agar $\cos\alpha = -\frac{3}{10}$ bo'lsa, $\frac{2\sin\alpha + \sin 2\alpha}{2\sin\alpha - \sin 2\alpha}$ ning qiymatini toping.
 A) $\frac{13}{14}$ **B) $\frac{7}{13}$** C) $\frac{13}{7}$ D) $\frac{7}{26}$
3172. 6.1-1 file-» 50 - 137 - - (704730)
 Agar $\cos\alpha = -\frac{5}{26}$ bo'lsa, $\frac{2\sin\alpha + \sin 2\alpha}{2\sin\alpha - \sin 2\alpha}$ ning qiymatini toping.
 A) $\frac{21}{62}$ B) $\frac{31}{42}$ **C) $\frac{21}{31}$** D) $\frac{31}{21}$
3173. 6.1-1 file-» 50 - 137 - - (704731)
 Agar $\cos\alpha = -\frac{7}{50}$ bo'lsa, $\frac{2\sin\alpha + \sin 2\alpha}{2\sin\alpha - \sin 2\alpha}$ ning qiymatini toping.
 A) $\frac{57}{43}$ B) $\frac{43}{114}$ C) $\frac{57}{86}$ **D) $\frac{43}{57}$**
3174. 6.1-1 file-» 50 - 137 - - (704732)
 Agar $\cos\alpha = -\frac{4}{17}$ bo'lsa, $\frac{2\sin\alpha + \sin 2\alpha}{2\sin\alpha - \sin 2\alpha}$ ning qiymatini toping.
A) $\frac{13}{21}$ B) $\frac{21}{13}$ C) $\frac{13}{42}$ D) $\frac{21}{26}$
3175. 6.1-1 file-» 50 - 137 - - (704733)
 Agar $\cos\alpha = -\frac{9}{82}$ bo'lsa, $\frac{2\sin\alpha + \sin 2\alpha}{2\sin\alpha - \sin 2\alpha}$ ning qiymatini toping.
 A) $\frac{91}{146}$ **B) $\frac{73}{91}$** C) $\frac{91}{73}$ D) $\frac{73}{182}$
3176. 6.1-1 file-» 50 - 137 - - (704734)
 Agar $\cos\alpha = -\frac{11}{122}$ bo'lsa, $\frac{2\sin\alpha + \sin 2\alpha}{2\sin\alpha - \sin 2\alpha}$ ning qiymatini toping.
 A) $\frac{111}{266}$ B) $\frac{133}{222}$ **C) $\frac{111}{133}$** D) $\frac{133}{111}$

3177. 6.1-1 file-» 51 - 1 - - (719745)
 $tg^2\alpha - \sin^2\alpha$ ni soddalashtiring.
A) $\frac{tg^2\alpha \cdot \sin^2\alpha}{\sin^2\alpha}$ **B)** $ctg^2\alpha \cdot \cos^2\alpha$
C) $\frac{tg^2\alpha}{\sin^2\alpha}$ **D)** $\frac{ctg^2\alpha}{\cos^2\alpha}$

3178. 6.1-1 file-» 51 - 2 - - (719746)
 Agar $tg\alpha = 2$, $\pi \leq \alpha \leq \frac{3\pi}{2}$ bo'lsa, $\sin\alpha$ ning qiymatini toping.
A) $-\frac{2}{\sqrt{5}}$ **B)** $-\frac{1}{5}$ **C)** $\frac{1}{2}$ **D)** $\frac{\sqrt{5}}{2}$

3179. 6.1-1 file-» 50 - 142 - - (719747)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = \frac{17}{7}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $\frac{12}{5}$ **B)** $-\frac{5}{12}$ **C)** $-\frac{12}{5}$ **D)** $\frac{5}{12}$

3180. 6.1-1 file-» 50 - 142 - - (719748)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = \frac{31}{17}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $\frac{7}{24}$ **B)** $\frac{24}{7}$ **C)** $-\frac{7}{24}$ **D)** $-\frac{24}{7}$

3181. 6.1-1 file-» 50 - 142 - - (719749)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = \frac{23}{7}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $-\frac{15}{8}$ **B)** $\frac{8}{15}$ **C)** $\frac{15}{8}$ **D)** $-\frac{8}{15}$

3182. 6.1-1 file-» 50 - 142 - - (719750)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = \frac{49}{31}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $-\frac{9}{40}$ **B)** $-\frac{40}{9}$ **C)** $\frac{9}{40}$ **D)** $\frac{40}{9}$

3183. 6.1-1 file-» 50 - 142 - - (719751)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = \frac{71}{49}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $\frac{60}{11}$ **B)** $-\frac{11}{60}$ **C)** $-\frac{60}{11}$ **D)** $\frac{11}{60}$

3184. 6.1-1 file-» 50 - 142 - - (719752)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = \frac{47}{23}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $\frac{12}{35}$ **B)** $\frac{35}{12}$ **C)** $-\frac{12}{35}$ **D)** $-\frac{35}{12}$

3185. 6.1-1 file-» 50 - 142 - - (719753)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = -\frac{17}{7}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
A) $\frac{12}{5}$ **B)** $-\frac{5}{12}$ **C)** $-\frac{12}{5}$ **D)** $\frac{5}{12}$

3186. 6.1-1 file-» 50 - 142 - - (719754)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = -\frac{31}{17}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
A) $\frac{7}{24}$ **B)** $\frac{24}{7}$ **C)** $-\frac{7}{24}$ **D)** $-\frac{24}{7}$

3187. 6.1-1 file-» 50 - 142 - - (719755)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = -\frac{23}{7}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
A) $-\frac{15}{8}$ **B)** $\frac{8}{15}$ **C)** $\frac{15}{8}$ **D)** $-\frac{8}{15}$

3188. 6.1-1 file-» 50 - 142 - - (719756)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = -\frac{49}{31}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
A) $-\frac{9}{40}$ **B)** $-\frac{40}{9}$ **C)** $\frac{9}{40}$ **D)** $\frac{40}{9}$

3189. 6.1-1 file-» 50 - 142 - - (719757)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = -\frac{71}{49}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
A) $\frac{60}{11}$ **B)** $-\frac{11}{60}$ **C)** $-\frac{60}{11}$ **D)** $\frac{11}{60}$

3190. 6.1-1 file-» 50 - 142 - - (719758)
 Agar $tg\left(\frac{\pi}{4} - \alpha\right) = -\frac{47}{23}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
A) $\frac{12}{35}$ **B)** $\frac{35}{12}$ **C)** $-\frac{12}{35}$ **D)** $-\frac{35}{12}$

3191. 6.1-1 file-» 50 - 142 - - (719759)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = 11$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $\frac{5}{6}$ **B)** $\frac{6}{5}$ **C)** $-\frac{5}{6}$ **D)** $-\frac{6}{5}$

3192. 6.1-1 file-» 50 - 142 - - (719760)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = \frac{19}{5}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $-\frac{12}{7}$ **B)** $\frac{7}{12}$ **C)** $\frac{12}{7}$ **D)** $-\frac{7}{12}$

3193. 6.1-1 file-» 50 - 142 - - (719761)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = 31$ bo'lsa, $tg\alpha$ ning qiymatini toping.
 A) $-\frac{16}{15}$ B) $-\frac{15}{16}$ C) $\frac{16}{15}$ **D) $\frac{15}{16}$**
3194. 6.1-1 file-» 50 - 142 - - (719762)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = \frac{29}{11}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
 A) $\frac{20}{9}$ B) $-\frac{9}{20}$ C) $-\frac{20}{9}$ **D) $\frac{9}{20}$**
3195. 6.1-1 file-» 50 - 142 - - (719763)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = \frac{41}{19}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
A) $\frac{11}{30}$ B) $\frac{30}{11}$ C) $-\frac{11}{30}$ D) $-\frac{30}{11}$
3196. 6.1-1 file-» 50 - 142 - - (719764)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = \frac{59}{11}$ bo'lsa, $tg\alpha$ ning qiymatini toping.
 A) $-\frac{35}{24}$ **B) $\frac{24}{35}$** C) $\frac{35}{24}$ D) $-\frac{24}{35}$
3197. 6.1-1 file-» 50 - 142 - - (719765)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = -\frac{17}{7}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
 A) $-\frac{12}{5}$ **B) $\frac{5}{12}$** C) $\frac{12}{5}$ D) $-\frac{5}{12}$
3198. 6.1-1 file-» 50 - 142 - - (719766)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = -\frac{31}{17}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
 A) $-\frac{7}{24}$ B) $-\frac{24}{7}$ **C) $\frac{7}{24}$** D) $\frac{24}{7}$
3199. 6.1-1 file-» 50 - 142 - - (719767)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = -\frac{23}{7}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
 A) $\frac{15}{8}$ B) $-\frac{8}{15}$ C) $-\frac{15}{8}$ **D) $\frac{8}{15}$**
3200. 6.1-1 file-» 50 - 142 - - (719768)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = -\frac{49}{31}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
A) $\frac{9}{40}$ B) $\frac{40}{9}$ C) $-\frac{9}{40}$ D) $-\frac{40}{9}$

3201. 6.1-1 file-» 50 - 142 - - (719769)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = -\frac{71}{49}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
 A) $-\frac{60}{11}$ **B) $\frac{11}{60}$** C) $\frac{60}{11}$ D) $-\frac{11}{60}$
3202. 6.1-1 file-» 50 - 142 - - (719770)
 Agar $tg\left(\frac{\pi}{4} + \alpha\right) = -\frac{47}{23}$ bo'lsa, $ctg\alpha$ ning qiymatini toping.
 A) $-\frac{12}{35}$ B) $-\frac{35}{12}$ **C) $\frac{12}{35}$** D) $\frac{35}{12}$
3203. 6.1-1 file-» 50 - 142 - - (719771)
 Agar $\cos\alpha = -\frac{3}{5}$ bo'lsa, $\frac{2\sin\alpha + \sin 2\alpha}{2\sin\alpha - \sin 2\alpha}$ ning qiymatini toping.
 A) 2 **B) $\frac{1}{4}$** C) 4 D) $\frac{1}{8}$
3204. 6.1-1 file-» 50 - 142 - - (719772)
 Agar $\cos\alpha = -\frac{5}{13}$ bo'lsa, $\frac{2\sin\alpha + \sin 2\alpha}{2\sin\alpha - \sin 2\alpha}$ ning qiymatini toping.
 A) $\frac{2}{9}$ B) $\frac{9}{8}$ **C) $\frac{4}{9}$** D) $\frac{9}{4}$
3205. 6.1-1 file-» 50 - 142 - - (719773)
 Agar $\cos\alpha = -\frac{7}{25}$ bo'lsa, $\frac{2\sin\alpha + \sin 2\alpha}{2\sin\alpha - \sin 2\alpha}$ ning qiymatini toping.
 A) $\frac{16}{9}$ B) $\frac{9}{32}$ C) $\frac{8}{9}$ **D) $\frac{9}{16}$**
3206. 6.1-1 file-» 50 - 142 - - (719774)
 Agar $\cos\alpha = -\frac{8}{17}$ bo'lsa, $\frac{2\sin\alpha + \sin 2\alpha}{2\sin\alpha - \sin 2\alpha}$ ning qiymatini toping.
A) $\frac{9}{25}$ B) $\frac{25}{9}$ C) $\frac{9}{50}$ D) $\frac{25}{18}$
3207. 6.1-1 file-» 50 - 142 - - (719775)
 Agar $\cos\alpha = -\frac{9}{41}$ bo'lsa, $\frac{2\sin\alpha + \sin 2\alpha}{2\sin\alpha - \sin 2\alpha}$ ning qiymatini toping.
 A) $\frac{25}{32}$ **B) $\frac{16}{25}$** C) $\frac{25}{16}$ D) $\frac{8}{25}$
3208. 6.1-1 file-» 50 - 142 - - (719776)
 Agar $\cos\alpha = -\frac{11}{61}$ bo'lsa, $\frac{2\sin\alpha + \sin 2\alpha}{2\sin\alpha - \sin 2\alpha}$ ning qiymatini toping.
 A) $\frac{25}{72}$ B) $\frac{18}{25}$ **C) $\frac{25}{36}$** D) $\frac{36}{25}$

3209. 6.1-3 file-» 4 - 7 - - (36010)

$tg(\alpha + \beta) = 4, tg(\alpha - \beta) = -2$ бўлса, $tg2\beta$ ни ҳисобланг.

- A) $-\frac{7}{6}$ B) $\frac{2}{3}$ C) $-\frac{6}{7}$ D) $\frac{3}{2}$

3210. 6.1-3 file-» 17 - 1 - - (56944)

$tg(\frac{1}{2}arcsin\frac{24}{25})$ ни ҳисобланг.

- A) $\frac{1}{7}$ B) $\frac{1}{2}$ C) $\frac{1}{4}$ D) $\frac{3}{4}$

3211. 6.1-3 file-» 22 - 17 - - (57009)

$8sin^2\frac{25\pi}{24} \cdot cos^2\frac{23\pi}{24} - 1$ ни ҳисобланг.

- A) $-\frac{\sqrt{3}}{2}$ B) $\frac{\sqrt{3}}{2}$ C) $-\frac{1}{2}$ D) $\frac{1}{2}$

3212. 6.1-3 file-» 22 - 18 - - (57069)

$sin^4\frac{17\pi}{8} - cos^4\frac{15\pi}{8}$ ни ҳисобланг.

- A) $\frac{\sqrt{3}}{2}$ B) $\frac{1}{2}$ C) $-\frac{\sqrt{3}}{2}$ D) $-\frac{\sqrt{2}}{2}$

3213. 6.1-3 file-» 17 - 2 - - 12 (64277)

$sin(2arctg\frac{7}{24})$ ни ҳисобланг.

- A) $\frac{226}{625}$ B) $\frac{336}{625}$ C) $\frac{236}{625}$ D) $\frac{326}{625}$

3214. 6.1-3 file-» 23 - 11 - - 9 (70987)

$M = sin82^\circ, N = ctg186^\circ sin6^\circ$ ва $Q = cos220^\circ$ сонларни камайиш тартибида ёзинг.

- A) $N > Q > M$ B) $N > M > Q$
C) $Q > M > N$ D) $M > N > Q$

3215. 6.1-3 file-» 23 - 13 - - 10 (71108)

$\frac{2cos^2\frac{\alpha}{2}}{ctg\frac{\alpha}{4} - tg\frac{\alpha}{4}}$ ни соддалаштиринг.

- A) $-sin\alpha$ B) $cos\alpha$ C) $sin\alpha$ D) $\frac{1}{2}sin\alpha$

3216. 6.1-3 file-» 19 - 2 - - 3 (87548)

$arccos(sin(-41^\circ))$ неча градус?

- A) -41° B) 41° C) 131° D) 139°

3217. 6.1-3 file-» 22 - 20 - - 6 (96099)

$cos(2arccos\frac{4}{9})$ ning қийматини топинг.

- A) $\frac{8}{9}$ B) $\frac{49}{81}$ C) $-\frac{8}{9}$ D) $-\frac{49}{81}$

3218. 6.1-3 file-» 16 - 7 - - 6 (105911)

$\frac{3sin\alpha + 2}{5 + cos\beta} + \frac{3}{tg^2\gamma + ctg^2\gamma}$ ифоданинг энг катта қийматини топинг.

- A) 6,25 B) 4,75 C) 3,45 D) 2,75

3219. 6.1-3 file-» 22 - 21 - - 4 (105978)

Агар $tg\alpha = 2$ бўлса, $\frac{2}{3 + 4cos2\alpha}$ ning қийматини топинг.

- A) $-\frac{10}{27}$ B) $-3\frac{1}{3}$ C) $3\frac{1}{3}$ D) $\frac{10}{27}$

3220. 6.1-3 file-» 30 - 2 - - 9 (112401)

$cos^284^\circ + cos^236^\circ + cos84^\circ \cdot cos36^\circ$ ни соддалаштиринг.

- A) $\frac{3}{4}$ B) $\frac{1}{2}$ C) $\frac{1}{4}$ D) $\frac{2}{3}$

3221. 6.1-3 file-» 23 - 18 - - 7 (115472)

$cos(2arcsin\frac{4}{5})$ ни ҳисобланг.

- A) $\frac{24}{25}$ B) $\frac{7}{25}$ C) $-\frac{7}{25}$ D) $-\frac{24}{25}$

3222. 6.1-3 file-» 19 - 5 - - 2 (123027)

Агар $sin(\alpha + \beta) = \frac{4}{5}, sin(\alpha - \beta) = \frac{5}{13}$ ва

$0 < \beta < \alpha < \frac{\pi}{4}$ бўлса, $cos\alpha + cos\beta$ ning қийматини ҳисобланг.

- A) $\sqrt{\frac{20}{13}}$ B) $\frac{10}{\sqrt{130}}$ C) $\sqrt{\frac{40}{13}}$ D) $\frac{5}{\sqrt{130}}$

3223. 6.1-3 file-» 2 - 41 - - 4 (131179)

$tg(arccos\frac{4}{5} - arcsin\frac{7}{25})$ ни ҳисобланг.

- A) $\frac{44}{117}$ B) $\frac{44}{75}$ C) $\frac{4}{3}$ D) $\frac{100}{117}$

3224. 6.1-3 file-» 19 - 6 - - 8 (136417)

$2sin43^\circ cos17^\circ + 2sin^232^\circ - 1$ ни ҳисобланг.

- A) $\frac{1}{2}$ B) $\frac{\sqrt{2}}{2}$ C) $\frac{\sqrt{3}}{2}$ D) 1

3225. 6.1-3 file-» 4 - 7 - - (315562)

$tg(\alpha + \beta) = 4, tg(\alpha - \beta) = -2$ бўлса, $tg2\beta$ ni hisoblang.

- A) $-\frac{7}{6}$ B) $\frac{2}{3}$ C) $-\frac{6}{7}$ D) $\frac{3}{2}$

3226. 6.1-3 file-» 17 - 1 - - (315563)

$tg(\frac{1}{2}arcsin\frac{24}{25})$ ni hisoblang.

- A) $\frac{1}{7}$ B) $\frac{1}{2}$ C) $\frac{1}{4}$ D) $\frac{3}{4}$

3227. 6.1-3 file-» 22 - 17 - - (315564)
 $8\sin^2\frac{25\pi}{24} \cdot \cos^2\frac{23\pi}{24} - 1$ ni hisoblang.
A) $-\frac{\sqrt{3}}{2}$ **B)** $\frac{\sqrt{3}}{2}$ **C)** $-\frac{1}{2}$ **D)** $\frac{1}{2}$
3228. 6.1-3 file-» 22 - 18 - - (315565)
 $\sin^4\frac{17\pi}{8} - \cos^4\frac{15\pi}{8}$ ni hisoblang.
A) $\frac{\sqrt{3}}{2}$ **B)** $\frac{1}{2}$ **C)** $-\frac{\sqrt{3}}{2}$ **D)** $-\frac{\sqrt{2}}{2}$
3229. 6.1-3 file-» 17 - 2 - - 12 (315566)
 $\sin(2\arctg\frac{7}{24})$ ni hisoblang.
A) $\frac{226}{625}$ **B)** $\frac{336}{625}$ **C)** $\frac{236}{625}$ **D)** $\frac{326}{625}$
3230. 6.1-3 file-» 23 - 11 - - 9 (315567)
 $M = \sin 82^\circ, N = \operatorname{ctg} 186^\circ \sin 6^\circ$ va $Q = \cos 220^\circ$
 sonlarni kamayish tartibida yozing.
A) $N > Q > M$ **B)** $N > M > Q$
C) $Q > M > N$ **D)** $M > N > Q$
3231. 6.1-3 file-» 23 - 13 - - 10 (315568)
 $\frac{2\cos^2\frac{\alpha}{2}}{\operatorname{ctg}\frac{\alpha}{4} - \operatorname{tg}\frac{\alpha}{4}}$ ni soddalashtiring.
A) $-\sin\alpha$ **B)** $\cos\alpha$ **C)** $\sin\alpha$ **D)** $\frac{1}{2}\sin\alpha$
3232. 6.1-3 file-» 19 - 2 - - 3 (315569)
 $\arccos(\sin(-41^\circ))$ necha gradus?
A) -41° **B)** 41° **C)** 131° **D)** 139°
3233. 6.1-3 file-» 22 - 20 - - 6 (315570)
 $\cos(2\arccos\frac{4}{9})$ ning qiymatini toping.
A) $\frac{8}{9}$ **B)** $\frac{49}{81}$ **C)** $-\frac{8}{9}$ **D)** $-\frac{49}{81}$
3234. 6.1-3 file-» 16 - 7 - - 6 (315571)
 $\frac{3\sin\alpha + 2}{5 + \cos\beta} + \frac{3}{\operatorname{tg}^2\gamma + \operatorname{ctg}^2\gamma}$ ifodaning eng katta
 qiymatini toping.
A) 6,25 **B)** 4,75 **C)** 3,45 **D)** 2,75
3235. 6.1-3 file-» 22 - 21 - - 4 (315572)
 Agar $\operatorname{tg}\alpha = 2$ bo'lsa, $\frac{2}{3 + 4\cos 2\alpha}$ ning qiymatini
 toping.
A) $-\frac{10}{27}$ **B)** $-3\frac{1}{3}$ **C)** $3\frac{1}{3}$ **D)** $\frac{10}{27}$
3236. 6.1-3 file-» 30 - 2 - - 9 (315573)
 $\cos^2 84^\circ + \cos^2 36^\circ + \cos 84^\circ \cdot \cos 36^\circ$ ni
 soddalashtiring.
A) $\frac{3}{4}$ **B)** $\frac{1}{2}$ **C)** $\frac{1}{4}$ **D)** $\frac{2}{3}$
3237. 6.1-3 file-» 23 - 18 - - 7 (315574)
 $\cos(2\arcsin\frac{4}{5})$ ni hisoblang.
A) $\frac{24}{25}$ **B)** $\frac{7}{25}$ **C)** $-\frac{7}{25}$ **D)** $-\frac{24}{25}$
3238. 6.1-3 file-» 19 - 5 - - 2 (315575)
 Agar $\sin(\alpha + \beta) = \frac{4}{5}, \sin(\alpha - \beta) = \frac{5}{13}$ va
 $0 < \beta < \alpha < \frac{\pi}{4}$ bo'lsa, $\cos\alpha + \cos\beta$ ning
 qiymatini hisoblang.
A) $\sqrt{\frac{20}{13}}$ **B)** $\frac{10}{\sqrt{130}}$ **C)** $\sqrt{\frac{40}{13}}$ **D)** $\frac{5}{\sqrt{130}}$
3239. 6.1-3 file-» 2 - 41 - - 4 (315576)
 $\operatorname{tg}(\arccos\frac{4}{5} - \arcsin\frac{7}{25})$ ni hisoblang.
A) $\frac{44}{117}$ **B)** $\frac{44}{75}$ **C)** $\frac{4}{3}$ **D)** $\frac{100}{117}$
3240. 6.1-3 file-» 19 - 6 - - 8 (315577)
 $2\sin 43^\circ \cos 17^\circ + 2\sin^2 32^\circ - 1$ ni hisoblang.
A) $\frac{1}{2}$ **B)** $\frac{\sqrt{2}}{2}$ **C)** $\frac{\sqrt{3}}{2}$ **D)** 1
3241. 6.1-3 file-» 6 - 8 - - (402151)
 $\sin 105^\circ + \sin 75^\circ = ?$
A) $\frac{\sqrt{2 + \sqrt{3}}}{2}$ **B)** $\frac{\sqrt{2 - \sqrt{3}}}{2}$ **C)** $\sqrt{\sqrt{3} - \sqrt{2}}$
D) $\sqrt{2 + \sqrt{3}}$
3242. 6.1-3 file-» 13 - 4 - - (402152)
 $\sin 75^\circ - \sin 15^\circ$ ni hisoblang.
A) $\frac{\sqrt{2}}{2}$ **B)** $\frac{\sqrt{3}}{2}$ **C)** $\sqrt{2}$ **D)** $-\sqrt{2}$
3243. 6.1-3 file-» 16 - 1 - - (402153)
 $\cos 93^\circ \cdot \cos 3^\circ + 0,5 \cdot \sin 6^\circ + 2$ ni hisoblang.
A) $\frac{1}{2}$ **B)** 1 **C)** 0 **D)** 2
3244. 6.1-3 file-» 23 - 9 - - (402154)
 $\operatorname{tg} 15^\circ - \operatorname{ctg} 15^\circ$ ni hisoblang.
A) $2\sqrt{3}$ **B)** $-2\sqrt{3}$ **C)** $-\frac{2\sqrt{3}}{3}$ **D)** $\frac{2\sqrt{3}}{3}$
3245. 6.1-3 file-» 23 - 16 - - 1 (402155)
 $\frac{\sin 35^\circ + \cos 65^\circ}{2\cos 5^\circ}$ ni hisoblang.
A) 0,25 **B)** 0,75 **C)** 0,5 **D)** 0,6

3246. 6.1-3 file-» 16 - 6 - - 4 (402156)
 $\sin(2\arctg 3)$ ning qiymatini toping.
A) 0,6 B) 0,8 C) 0,75 D) 0,36
3247. 6.1-3 file-» 31 - 1 - - 8 (402157)
 $\cos 50^\circ \cos 40^\circ - 2\cos 20^\circ \sin 50^\circ \sin 20^\circ$ ni hisoblang.
A) 0 B) 1 C) -1 D) $\cos 20^\circ$
3248. 6.1-3 file-» 19 - 4 - - 3 (402158)
 $\cos^2 5 + \cos^2 1 - \cos 6 \cdot \cos 4$ ni hisoblang.
 A) 0 B) $\frac{1}{2}$ **C) 1** D) 1,5
3249. 6.1-3 file-» 19 - 4 - - 3 (402159)
 Agar $\tg \alpha = -\frac{3}{4}$ va $\frac{\pi}{2} < \alpha < \pi$ bo'lsa, $\sin \alpha - \cos \alpha$ ning qiymatini toping.
 A) $-\frac{1}{5}$ B) $\frac{1}{5}$ **C) $\frac{7}{5}$** D) $-\frac{7}{5}$
3250. 6.1-3 file-» 23 - 19 - - 2 (402160)
 $\sin 75^\circ + \sqrt{3}\cos 75^\circ$ ni hisoblang.
 A) $\sqrt{3}$ **B) $\sqrt{2}$** C) $\frac{\sqrt{2}}{2}$ D) $\frac{\sqrt{3}}{2}$
3251. 6.1-3 file-» 35 - 1 - - 1 (402161)
 $\tg(\arctg 3 + \arctg 7)$ ni hisoblang.
 A) 0 B) 0,5 **C) -0,5** D) 0,25
3252. 6.1-3 file-» 16 - 8 - - 3 (402162)
 $\cos(2\arcsin \frac{3}{5})$ ni hisoblang.
 A) 0,35 B) 0,36 **C) 0,28** D) 0,24
3253. 6.1-3 file-» 23 - 20 - - 9 (402163)
 $\cos(2\arcsin \frac{4}{5})$ ni hisoblang.
A) -0,28 B) 0,28 C) -0,26 D) 0,26
3254. 6.1-3 file-» 23 - 22 - - 1 (402164)
 $\tg\left(\arctg \frac{1}{3} + \arctg \frac{1}{9}\right)$ ning qiymatini hisoblang.
A) $\frac{6}{13}$ B) $\frac{8}{13}$ C) $\frac{5}{13}$ D) $\frac{4}{13}$
3255. 6.1-3 file-» 19 - 8 - - 6 (402165)
 $\frac{\sin 106^\circ - \sin 14^\circ}{1 - 2\cos^2 22^\circ}$ ni hisoblang.
A) -1 B) $\frac{1}{2}$ C) $\frac{\sqrt{2}}{2}$ D) $-\frac{1}{2}$
3256. 6.1-3 file-» 23 - 2 - - 1 (704735)
 Quyidagi sonlardan qaysi biri manfiy?
 A) $\tg 247^\circ \cdot \sin 125^\circ$ B) $\ctg 215^\circ \cdot \cos 300^\circ$
 C) $\tg 135^\circ \cdot \ctg 340^\circ$ **D) $\sin 247^\circ \cdot \cos 276^\circ$**
3257. 6.1-3 file-» 23 - 2 - - 1 (704736)
 m ning qanday qiymatlarida $y = \cos x + mx$ funksiya aniqlanish sohasida kamayadi?
A) $(-\infty; -1]$ B) $(-1; \infty)$ C) $[-1; \infty)$
 D) $(-\infty; 1)$
3258. 6.1-3 file-» 23 - 3 - - 1 (704737)
 Quyidagi sonlardan qaysi biri musbat?
 A) $\frac{\ctg 187^\circ}{\sin 316^\circ}$ B) $\frac{\cos 340^\circ}{\sin 185^\circ}$ **C) $\frac{\sin 148^\circ}{\cos 317^\circ}$**
 D) $\frac{\ctg 105^\circ}{\tg 185^\circ}$
3259. 6.1-3 file-» 23 - 3 - - 1 (704738)
 k ning qanday qiymatlarida $f(x) = \sin x - kx$ funksiya o'zining aniqlanish sohasida o'sadi?
 A) $(-\infty; 1)$ B) $(1; \infty)$ C) $(-1; 0)$
D) $(-\infty; -1]$
3260. 6.1-3 file-» 23 - 4 - - 1 (704739)
 k ning qanday qiymatlarida $f(x) = kx - \sin x$ funksiya o'zining aniqlanish sohasida kamayadi?
A) $k \leq -1$ B) $k > -1$ C) $k < 0$
 D) $k > 0$
3261. 6.1-3 file-» 2 - 1 - - 1 (704740)
 $\frac{\sin^4 \alpha + 2\cos \alpha \cdot \sin \alpha - \cos^4 \alpha}{2\cos^2 \alpha - 1}$ ni soddalashtiring.
A) $\tg 2\alpha - 1$ B) $\tg \alpha - 1$ C) $\tg \alpha + 1$
 D) $1 - \tg 2\alpha$
3262. 6.1-3 file-» 16 - 3 - - 1 (704741)
 $\sin^6 x + \cos^6 x$ ifodaning eng kichik qiymatini toping.
 A) $\frac{1}{6}$ B) $\frac{1}{2}$ **C) $\frac{1}{4}$** D) $\frac{1}{8}$
3263. 6.1-3 file-» 16 - 3 - - 1 (704742)
 $\frac{8\cos 2\alpha - 5\cos 3\beta}{7 + 2\cos 4\gamma}$ ifodaning eng katta qiymatini toping.
 A) 2,2 B) 2,3 C) 2,4 **D) 2,6**
3264. 6.1-3 file-» 16 - 4 - - 1 (704743)
 $\frac{5}{\tg^2 \alpha + \ctg^2 \alpha} + \frac{5\sin 2\alpha - \cos \gamma}{5 + \cos 3t}$ ifodaning eng katta qiymatini toping.
 A) 5 B) 2 C) 3 **D) 4**
3265. 6.1-3 file-» 16 - 6 - - 1 (704744)
 Agar $\tg \alpha = 2$ bo'lsa, $\frac{2 - 5\cos 2\alpha}{6 + 10\sin 2\alpha} - \frac{13 + 3\ctg 2\alpha}{10\cos 2\alpha - 15\sin 2\alpha}$ ning qiymatini hisoblang.
 A) $\frac{3}{4}$ B) $\frac{4}{5}$ **C) $\frac{6}{7}$** D) $\frac{7}{8}$

3266. 6.1-3 file-» 16 - 7 - - 1 (704745)
 $\frac{3\sin\alpha + 2}{5 + \cos\beta} + \frac{3}{tg^2\gamma + ctg^2\gamma}$ ifodaning eng katta qiymatini toping.
 A) 6,25 B) 4,75 C) 3,45 **D) 2,75**
3267. 6.1-3 file-» 22 - 21 - - 1 (704746)
 Agar $tg\alpha = 2$ bo'lsa, $\frac{2}{3 + 4\cos 2\alpha}$ ning qiymatini toping.
 A) $-\frac{10}{27}$ B) $-3\frac{1}{3}$ **C) $3\frac{1}{3}$** D) $\frac{10}{27}$
3268. 6.1-3 file-» 23 - 19 - - 1 (704747)
 $\cos^6 x + \sin^6 x - \sin^2 x \cos^2 x$ ni soddalashtiring.
 A) $\sin^2 2x$ B) $\sin 4x$ C) $\cos 4x$
D) $\cos^2 2x$
3269. 6.1-3 file-» 2 - 41 - - 1 (704748)
 $tg(\arccos \frac{4}{5} - \arcsin \frac{7}{25})$ ni hisoblang.
A) $\frac{44}{117}$ B) $\frac{44}{75}$ C) $\frac{4}{3}$ D) $\frac{100}{117}$
3270. 6.1-3 file-» 16 - 8 - - 1 (704749)
 $\frac{2\sin\alpha - 1}{5 - 2\sin\beta} + \frac{tg^2\gamma + ctg^2\gamma}{2}$ ning eng kichik qiymatini toping.
A) 0 B) 1 C) -1 D) $\frac{4}{7}$
3271. 6.1-3 file-» 5 - 4 - - 2 (719777)
 $\cos 20^\circ \cdot \cos 40^\circ \cdot \cos 80^\circ$ ni hisoblang.
 A) $\frac{1}{2}$ B) $\frac{1}{3}$ **C) $\frac{1}{8}$** D) $\frac{\sqrt{3}}{8}$
3272. 6.1-3 file-» 22 - 2 - - 2 (719778)
 $y = 2\sin 3x + \cos 3x$ funksiyaning eng katta qiymatini toping.
 A) 3 B) 2 **C) $\sqrt{5}$** D) 4
3273. 6.1-3 file-» 22 - 3 - - 2 (719779)
 $y = 2\sin x + \cos x$ funksiyaning eng katta qiymatini toping.
 A) 3 **B) $\sqrt{5}$** C) 2 D) -1
3274. 6.1-3 file-» 22 - 4 - - 2 (719780)
 $y = 5\sin 2x - 12\cos 2x$ funksiyaning eng kichik qiymatini toping.
 A) -7 B) 4 **C) -13** D) $5\sqrt{2}$
3275. 6.1-3 file-» 4 - 7 - - 2 (719781)
 $tg(\alpha + \beta) = 4$, $tg(\alpha - \beta) = -2$ bo'lsa, $tg 2\beta$ ni hisoblang.
 A) $-\frac{7}{6}$ B) $\frac{2}{3}$ **C) $-\frac{6}{7}$** D) $\frac{3}{2}$
3276. 6.1-3 file-» 4 - 8 - - 2 (719782)
 Agar $tg(x + y) = 3$ va $tg(x - y) = 2$ bo'lsa, $tg 2x$ ni hisoblang.
 A) 5 B) 2,5 C) 1 **D) -1**
3277. 6.1-3 file-» 5 - 10 - - 2 (719783)
 $4ctg 30^\circ + tg^2 15^\circ$ ni hisoblang.
 A) 5 **B) 7** C) 9 D) 8
3278. 6.1-3 file-» 5 - 7 - - 2 (719784)
 $8\cos 30^\circ + tg^2 15^\circ$ ni hisoblang.
 A) 5 B) 6 **C) 7** D) 8
3279. 6.1-3 file-» 13 - 4 - - 2 (719785)
 Agar $5x^2 - 3x - 1 = 0$ tenglamaning ildizlari $tg\alpha$ va $tg\beta$ bo'lsa, $tg(\alpha + \beta)$ qanchaga teng bo'ladi?
 A) $\frac{3}{2}$ B) 1 C) 3 **D) $\frac{1}{2}$**
3280. 6.1-3 file-» 15 - 1 - - 2 (719786)
 Agar $tg\alpha + ctg\alpha = p$ bo'lsa, $tg^3\alpha + ctg^3\alpha$ ni p orqali ifodalang.
 A) $-p^3 - 3p$ **B) $p^3 - 3p$** C) $p^3 + 3p$
 D) $3p - p^3$
3281. 6.1-3 file-» 51 - 1 - - (719787)
 Agar $tg\alpha = -\frac{5}{4}$ va $\frac{3\pi}{2} < \alpha < 2\pi$ bo'lsa, $1 + \sin 2\alpha$ ni toping.
A) $\frac{1}{41}$ B) $\frac{32}{41}$ C) $1\frac{9}{32}$ D) $1\frac{40}{41}$
3282. 6.1-3 file-» 51 - 2 - - (719788)
 Agar $\sin x + \cos x = \frac{\sqrt{23}}{4}$ ga teng bo'lsa, $|\sin x - \cos x|$ ning qiymatini toping.
 A) $\frac{1}{3}$ **B) $\frac{3}{4}$** C) $\frac{2}{3}$ D) $\frac{1}{4}$
3283. 6.2-1 file-» 50 - 23 - - (183697)
 Quyidagi formulalardan qaysilari tўg'ri?
 1) $tg(x + y) = \frac{tgx + tgy}{1 - tgx \cdot tgy}$,
 $x, y, x + y \neq \frac{\pi}{2} + \pi n, n \in Z$;
 2) $\sin^2 \frac{x}{2} = \frac{1 + \cos x}{2}$;
 3) $\sin x + \sin y = 2\sin \frac{x+y}{2} \cos \frac{x-y}{2}$;
 4) $tgx + tgy = \frac{\sin(x+y)}{\cos x \cdot \cos y}$,
 $x, y \neq \frac{\pi}{2} + \pi n, n \in Z$.
A) 1; 3; 4 B) 2; 3; 4 C) 1; 2; 4 D) 1; 2; 3

3284. 6.2-1 file-» 50 - 23 - - (183698)

Қуйидаги формулалардан қайсылари тўғри?

1) $tg(x - y) = \frac{tgx - tgy}{1 + tgx \cdot tgy},$

$x, y, x - y \neq \frac{\pi}{2} + \pi n, n \in Z;$

2) $\sin^2 \frac{x}{2} = \frac{1 - \cos x}{2};$

3) $\sin x + \sin y = 2 \cos \frac{x+y}{2} \sin \frac{x-y}{2};$

4) $tgx - tgy = \frac{\sin(x-y)}{\cos x \cdot \cos y},$

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z.$

A) 2; 3; 4 **B) 1; 2; 4** C) 1; 2; 3 D) 1; 3; 4

3285. 6.2-1 file-» 50 - 23 - - (183699)

Қуйидаги формулалардан қайсылари тўғри?

1) $\cos(x + y) = \sin x \cdot \cos y + \cos x \cdot \sin y;$

2) $tg(x + y) = \frac{tgx + tgy}{1 - tgx \cdot tgy},$

$x, y, x + y \neq \frac{\pi}{2} + \pi n, n \in Z;$

3) $\sin^2 \frac{x}{2} = \frac{1 - \cos x}{2};$

4) $\sin x - \sin y = 2 \cos \frac{x+y}{2} \sin \frac{x-y}{2}.$

A) 1; 2; 3 B) 1; 2; 4 **C) 2; 3; 4** D) 1; 3; 4

3286. 6.2-1 file-» 50 - 23 - - (183700)

Қуйидаги формулалардан қайсылари тўғри?

1) $\cos(x - y) = \sin x \cdot \cos y - \cos x \cdot \sin y;$

2) $\cos^2 \frac{x}{2} = \frac{1 + \cos x}{2};$

3) $\cos x + \cos y = 2 \cos \frac{x+y}{2} \cos \frac{x-y}{2};$

4) $tgx + tgy = \frac{\sin(x+y)}{\cos x \cdot \cos y},$

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z.$

A) 1; 2; 3 B) 1; 3; 4 C) 1; 2; 4 **D) 2; 3; 4**

3287. 6.2-1 file-» 50 - 23 - - (183701)

Қуйидаги формулалардан қайсылари тўғри?

1) $\cos(x + y) = \cos x \cdot \cos y - \sin x \cdot \sin y;$

2) $\cos^2 \frac{x}{2} = \frac{1 + \cos x}{2};$

3) $\sin x - \sin y = -2 \cos \frac{x+y}{2} \sin \frac{x-y}{2};$

4) $tgx - tgy = \frac{\sin(x-y)}{\cos x \cdot \cos y},$

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z.$

A) 1; 2; 4 B) 2; 3; 4 C) 1; 3; 4 D) 1; 2; 3

3288. 6.2-1 file-» 50 - 23 - - (183702)

Қуйидаги формулалардан қайсилари тўғри?

1) $\sin(x + y) = \sin x \cdot \cos y + \cos x \cdot \sin y;$

2) $tg(x + y) = \frac{tgx - tgy}{1 + tgx \cdot tgy},$

$x, y, x + y \neq \frac{\pi}{2} + \pi n, n \in Z;$

3) $\sin^2 \frac{x}{2} = \frac{1 - \cos x}{2};$

4) $\sin x + \sin y = 2 \sin \frac{x+y}{2} \cos \frac{x-y}{2}.$

A) 2; 3; 4 **B) 1; 3; 4** C) 1; 2; 3 D) 1; 2; 4

3289. 6.2-1 file-» 50 - 23 - - (183703)

Қуйидаги формулалардан қайсилари тўғри?

1) $tg(x - y) = \frac{tgx + tgy}{1 - tgx \cdot tgy},$

$x, y, x - y \neq \frac{\pi}{2} + \pi n, n \in Z;$

2) $\cos^2 \frac{x}{2} = \frac{1 + \cos x}{2};$

3) $\sin x - \sin y = 2 \cos \frac{x+y}{2} \sin \frac{x-y}{2};$

4) $tgx + tgy = \frac{\sin(x+y)}{\cos x \cdot \cos y},$

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z.$

A) 1; 2; 3 B) 1; 3; 4 **C) 2; 3; 4** D) 1; 2; 4

3290. 6.2-1 file-» 50 - 23 - - (183704)

Қуйидаги формулалардан қайсилари тўғри?

1) $\sin(x - y) = \sin x \cdot \cos y - \cos x \cdot \sin y;$

2) $\cos^2 \frac{x}{2} = \frac{1 - \cos x}{2};$

3) $\cos x + \cos y = 2 \cos \frac{x+y}{2} \cos \frac{x-y}{2};$

4) $tgx - tgy = \frac{\sin(x-y)}{\cos x \cdot \cos y},$

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z.$

A) 1; 2; 4 B) 2; 3; 4 C) 1; 2; 3 **D) 1; 3; 4**

3291. 6.2-1 file-» 50 - 23 - - (183705)

Қуйидаги формулалардан қайсилари тўғри?

1) $\cos(x - y) = \cos x \cdot \cos y + \sin x \cdot \sin y;$

2) $tg(x - y) = \frac{tgx - tgy}{1 + tgx \cdot tgy},$

$x, y, x - y \neq \frac{\pi}{2} + \pi n, n \in Z;$

3) $\sin^2 \frac{x}{2} = \frac{1 + \cos x}{2};$

4) $tgx + tgy = \frac{\sin(x+y)}{\cos x \cdot \cos y},$

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z.$

A) 1; 2; 4 B) 1; 3; 4 C) 1; 2; 3 D) 2; 3; 4

3292. 6.2-1 file-» 50 - 23 - - (183706)

Қуйидаги формулалардан қайсылари тўғри?

1) $\sin(x + y) = \sin x \cdot \cos y + \cos x \cdot \sin y$;

2) $\operatorname{tg}(x + y) = \frac{\operatorname{tg} x + \operatorname{tg} y}{1 - \operatorname{tg} x \cdot \operatorname{tg} y}$,

$x, y, x + y \neq \frac{\pi}{2} + \pi n, n \in Z$;

3) $\cos^2 \frac{x}{2} = \frac{1 - \cos x}{2}$;

4) $\sin x + \sin y = 2 \sin \frac{x + y}{2} \cos \frac{x - y}{2}$.

A) 2; 3; 4 **B) 1; 2; 4** C) 1; 2; 3 D) 1; 3; 4

3293. 6.2-1 file-» 50 - 23 - - (183707)

Қуйидаги формулалардан қайсылари тўғри?

1) $\operatorname{tg}(x - y) = \frac{\operatorname{tg} x - \operatorname{tg} y}{1 + \operatorname{tg} x \cdot \operatorname{tg} y}$,

$x, y, x - y \neq \frac{\pi}{2} + \pi n, n \in Z$;

2) $\cos^2 \frac{x}{2} = \frac{1 - \cos x}{2}$;

3) $\sin x - \sin y = 2 \cos \frac{x + y}{2} \sin \frac{x - y}{2}$;

4) $\operatorname{tg} x - \operatorname{tg} y = \frac{\sin(x - y)}{\cos x \cdot \cos y}$,

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z$.

A) 1; 2; 3 B) 2; 3; 4 **C) 1; 3; 4** D) 1; 2; 4

3294. 6.2-1 file-» 50 - 23 - - (183708)

Қуйидаги формулалардан қайсылари тўғри?

1) $\sin(x - y) = \sin x \cdot \cos y - \cos x \cdot \sin y$;

2) $\sin^2 \frac{x}{2} = \frac{1 + \cos x}{2}$;

3) $\sin x + \sin y = 2 \sin \frac{x + y}{2} \cos \frac{x - y}{2}$;

4) $\operatorname{tg} x + \operatorname{tg} y = \frac{\sin(x + y)}{\cos x \cdot \cos y}$,

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z$.

A) 2; 3; 4 B) 1; 2; 4 C) 1; 2; 3 **D) 1; 3; 4**

3295. 6.2-1 file-» 50 - 23 - - (183709)

Қуйидаги формулалардан қайсылари тўғри?

1) $\cos(x + y) = \cos x \cdot \cos y - \sin x \cdot \sin y$;

2) $\operatorname{tg}(x + y) = \frac{\operatorname{tg} x + \operatorname{tg} y}{1 - \operatorname{tg} x \cdot \operatorname{tg} y}$,

$x, y, x + y \neq \frac{\pi}{2} + \pi n, n \in Z$;

3) $\sin^2 \frac{x}{2} = \frac{1 - \cos x}{2}$;

4) $\sin x + \sin y = 2 \cos \frac{x + y}{2} \sin \frac{x - y}{2}$.

A) 1; 2; 4 B) 2; 3; 4 **C) 1; 2; 3** D) 1; 3; 4

3296. 6.2-1 file-» 50 - 23 - - (183710)

Қуйидаги формулалардан қайсилари тўғри?

1) $\cos(x - y) = \cos x \cdot \cos y + \sin x \cdot \sin y$;

2) $\operatorname{tg}(x + y) = \frac{\operatorname{tg} x + \operatorname{tg} y}{1 - \operatorname{tg} x \cdot \operatorname{tg} y}$,

$x, y, x + y \neq \frac{\pi}{2} + \pi n, n \in Z$;

3) $\cos x + \cos y = -2 \sin \frac{x + y}{2} \sin \frac{x - y}{2}$;

4) $\operatorname{tg} x - \operatorname{tg} y = \frac{\sin(x - y)}{\cos x \cdot \cos y}$,

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z$.

A) 2; 3; 4 **B) 1; 2; 4** C) 1; 2; 3 D) 1; 3; 4

3297. 6.2-1 file-» 50 - 23 - - (183711)

Қуйидаги формулалардан қайсилари тўғри?

1) $\sin(x + y) = \sin x \cdot \cos y + \cos x \cdot \sin y$;

2) $\sin^2 \frac{x}{2} = \frac{1 + \cos x}{2}$;

3) $\cos x + \cos y = 2 \cos \frac{x + y}{2} \cos \frac{x - y}{2}$;

4) $\operatorname{tg} x - \operatorname{tg} y = \frac{\sin(x - y)}{\cos x \cdot \cos y}$,

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z$.

A) 2; 3; 4 B) 1; 2; 3 **C) 1; 3; 4** D) 1; 2; 4

3298. 6.2-1 file-» 50 - 23 - - (315578)

Quyidagi formulalardan qaysilari to'g'ri?

1) $\operatorname{tg}(x + y) = \frac{\operatorname{tg} x + \operatorname{tg} y}{1 - \operatorname{tg} x \cdot \operatorname{tg} y}$,

$x, y, x + y \neq \frac{\pi}{2} + \pi n, n \in Z$;

2) $\sin^2 \frac{x}{2} = \frac{1 + \cos x}{2}$;

3) $\sin x + \sin y = 2 \sin \frac{x + y}{2} \cos \frac{x - y}{2}$;

4) $\operatorname{tg} x + \operatorname{tg} y = \frac{\sin(x + y)}{\cos x \cdot \cos y}$,

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z$.

A) 1; 3; 4 B) 2; 3; 4 C) 1; 2; 4 D) 1; 2; 3

3299. 6.2-1 file-» 50 - 23 - - (315579)

Quyidagi formulalardan qaysilari to'g'ri?

1) $tg(x - y) = \frac{tgx - tgy}{1 + tgx \cdot tgy},$

$x, y, x - y \neq \frac{\pi}{2} + \pi n, n \in Z;$

2) $\sin^2 \frac{x}{2} = \frac{1 - \cos x}{2};$

3) $\sin x + \sin y = 2 \cos \frac{x+y}{2} \sin \frac{x-y}{2};$

4) $tgx - tgy = \frac{\sin(x-y)}{\cos x \cdot \cos y},$

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z.$

A) 2; 3; 4 **B)** 1; 2; 4 C) 1; 2; 3 D) 1; 3; 4

3300. 6.2-1 file-» 50 - 23 - - (315580)

Quyidagi formulalardan qaysilari to'g'ri?

1) $\cos(x + y) = \sin x \cdot \cos y + \cos x \cdot \sin y;$

2) $tg(x + y) = \frac{tgx + tgy}{1 - tgx \cdot tgy},$

$x, y, x + y \neq \frac{\pi}{2} + \pi n, n \in Z;$

3) $\sin^2 \frac{x}{2} = \frac{1 - \cos x}{2};$

4) $\sin x - \sin y = 2 \cos \frac{x+y}{2} \sin \frac{x-y}{2}.$

A) 1; 2; 3 B) 1; 2; 4 **C)** 2; 3; 4 D) 1; 3; 4

3301. 6.2-1 file-» 50 - 23 - - (315581)

Quyidagi formulalardan qaysilari to'g'ri?

1) $\cos(x - y) = \sin x \cdot \cos y - \cos x \cdot \sin y;$

2) $\cos^2 \frac{x}{2} = \frac{1 + \cos x}{2};$

3) $\cos x + \cos y = 2 \cos \frac{x+y}{2} \cos \frac{x-y}{2};$

4) $tgx + tgy = \frac{\sin(x+y)}{\cos x \cdot \cos y},$

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z.$

A) 1; 2; 3 B) 1; 3; 4 C) 1; 2; 4 **D)** 2; 3; 4

3302. 6.2-1 file-» 50 - 23 - - (315582)

Quyidagi formulalardan qaysilari to'g'ri?

1) $\cos(x + y) = \cos x \cdot \cos y - \sin x \cdot \sin y;$

2) $\cos^2 \frac{x}{2} = \frac{1 + \cos x}{2};$

3) $\sin x - \sin y = -2 \cos \frac{x+y}{2} \sin \frac{x-y}{2};$

4) $tgx - tgy = \frac{\sin(x-y)}{\cos x \cdot \cos y},$

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z.$

A) 1; 2; 4 B) 2; 3; 4 C) 1; 3; 4 D) 1; 2; 3

3303. 6.2-1 file-» 50 - 23 - - (315583)

Quyidagi formulalardan qaysilari to'g'ri?

1) $\sin(x + y) = \sin x \cdot \cos y + \cos x \cdot \sin y;$

2) $tg(x + y) = \frac{tgx - tgy}{1 + tgx \cdot tgy},$

$x, y, x + y \neq \frac{\pi}{2} + \pi n, n \in Z;$

3) $\sin^2 \frac{x}{2} = \frac{1 - \cos x}{2};$

4) $\sin x + \sin y = 2 \sin \frac{x+y}{2} \cos \frac{x-y}{2}.$

A) 2; 3; 4 **B)** 1; 3; 4 C) 1; 2; 3 D) 1; 2; 4

3304. 6.2-1 file-» 50 - 23 - - (315584)

Quyidagi formulalardan qaysilari to'g'ri?

1) $tg(x - y) = \frac{tgx + tgy}{1 - tgx \cdot tgy},$

$x, y, x - y \neq \frac{\pi}{2} + \pi n, n \in Z;$

2) $\cos^2 \frac{x}{2} = \frac{1 + \cos x}{2};$

3) $\sin x - \sin y = 2 \cos \frac{x+y}{2} \sin \frac{x-y}{2};$

4) $tgx + tgy = \frac{\sin(x+y)}{\cos x \cdot \cos y},$

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z.$

A) 1; 2; 3 B) 1; 3; 4 **C)** 2; 3; 4 D) 1; 2; 4

3305. 6.2-1 file-» 50 - 23 - - (315585)

Quyidagi formulalardan qaysilari to'g'ri?

1) $\sin(x - y) = \sin x \cdot \cos y - \cos x \cdot \sin y;$

2) $\cos^2 \frac{x}{2} = \frac{1 - \cos x}{2};$

3) $\cos x + \cos y = 2 \cos \frac{x+y}{2} \cos \frac{x-y}{2};$

4) $tgx - tgy = \frac{\sin(x-y)}{\cos x \cdot \cos y},$

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z.$

A) 1; 2; 4 B) 2; 3; 4 C) 1; 2; 3 **D)** 1; 3; 4

3306. 6.2-1 file-» 50 - 23 - - (315586)

Quyidagi formulalardan qaysilari to'g'ri?

1) $\cos(x - y) = \cos x \cdot \cos y + \sin x \cdot \sin y;$

2) $tg(x - y) = \frac{tgx - tgy}{1 + tgx \cdot tgy},$

$x, y, x - y \neq \frac{\pi}{2} + \pi n, n \in Z;$

3) $\sin^2 \frac{x}{2} = \frac{1 + \cos x}{2};$

4) $tgx + tgy = \frac{\sin(x+y)}{\cos x \cdot \cos y},$

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z.$

A) 1; 2; 4 B) 1; 3; 4 C) 1; 2; 3 D) 2; 3; 4

3307. 6.2-1 file-» 50 - 23 - - (315587)

Quyidagi formulalardan qaysilari to'g'ri?

1) $\sin(x + y) = \sin x \cdot \cos y + \cos x \cdot \sin y$;

2) $\operatorname{tg}(x + y) = \frac{\operatorname{tg} x + \operatorname{tg} y}{1 - \operatorname{tg} x \cdot \operatorname{tg} y}$,

$x, y, x + y \neq \frac{\pi}{2} + \pi n, n \in Z$;

3) $\cos^2 \frac{x}{2} = \frac{1 - \cos x}{2}$;

4) $\sin x + \sin y = 2 \sin \frac{x + y}{2} \cos \frac{x - y}{2}$.

A) 2; 3; 4 **B) 1; 2; 4** C) 1; 2; 3 D) 1; 3; 4

3308. 6.2-1 file-» 50 - 23 - - (315588)

Quyidagi formulalardan qaysilari to'g'ri?

1) $\operatorname{tg}(x - y) = \frac{\operatorname{tg} x - \operatorname{tg} y}{1 + \operatorname{tg} x \cdot \operatorname{tg} y}$,

$x, y, x - y \neq \frac{\pi}{2} + \pi n, n \in Z$;

2) $\cos^2 \frac{x}{2} = \frac{1 - \cos x}{2}$;

3) $\sin x - \sin y = 2 \cos \frac{x + y}{2} \sin \frac{x - y}{2}$;

4) $\operatorname{tg} x - \operatorname{tg} y = \frac{\sin(x - y)}{\cos x \cdot \cos y}$,

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z$.

A) 1; 2; 3 B) 2; 3; 4 **C) 1; 3; 4** D) 1; 2; 4

3309. 6.2-1 file-» 50 - 23 - - (315589)

Quyidagi formulalardan qaysilari to'g'ri?

1) $\sin(x - y) = \sin x \cdot \cos y - \cos x \cdot \sin y$;

2) $\sin^2 \frac{x}{2} = \frac{1 + \cos x}{2}$;

3) $\sin x + \sin y = 2 \sin \frac{x + y}{2} \cos \frac{x - y}{2}$;

4) $\operatorname{tg} x + \operatorname{tg} y = \frac{\sin(x + y)}{\cos x \cdot \cos y}$,

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z$.

A) 2; 3; 4 B) 1; 2; 4 C) 1; 2; 3 **D) 1; 3; 4**

3310. 6.2-1 file-» 50 - 23 - - (315590)

Quyidagi formulalardan qaysilari to'g'ri?

1) $\cos(x + y) = \cos x \cdot \cos y - \sin x \cdot \sin y$;

2) $\operatorname{tg}(x + y) = \frac{\operatorname{tg} x + \operatorname{tg} y}{1 - \operatorname{tg} x \cdot \operatorname{tg} y}$,

$x, y, x + y \neq \frac{\pi}{2} + \pi n, n \in Z$;

3) $\sin^2 \frac{x}{2} = \frac{1 - \cos x}{2}$;

4) $\sin x + \sin y = 2 \cos \frac{x + y}{2} \sin \frac{x - y}{2}$.

A) 1; 2; 4 B) 2; 3; 4 **C) 1; 2; 3** D) 1; 3; 4

3311. 6.2-1 file-» 50 - 23 - - (315591)

Quyidagi formulalardan qaysilari to'g'ri?

1) $\cos(x - y) = \cos x \cdot \cos y + \sin x \cdot \sin y$;

2) $\operatorname{tg}(x + y) = \frac{\operatorname{tg} x + \operatorname{tg} y}{1 - \operatorname{tg} x \cdot \operatorname{tg} y}$,

$x, y, x + y \neq \frac{\pi}{2} + \pi n, n \in Z$;

3) $\cos x + \cos y = -2 \sin \frac{x + y}{2} \sin \frac{x - y}{2}$;

4) $\operatorname{tg} x - \operatorname{tg} y = \frac{\sin(x - y)}{\cos x \cdot \cos y}$,

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z$.

A) 2; 3; 4 **B) 1; 2; 4** C) 1; 2; 3 D) 1; 3; 4

3312. 6.2-1 file-» 50 - 23 - - (315592)

Quyidagi formulalardan qaysilari to'g'ri?

1) $\sin(x + y) = \sin x \cdot \cos y + \cos x \cdot \sin y$;

2) $\sin^2 \frac{x}{2} = \frac{1 + \cos x}{2}$;

3) $\cos x + \cos y = 2 \cos \frac{x + y}{2} \cos \frac{x - y}{2}$;

4) $\operatorname{tg} x - \operatorname{tg} y = \frac{\sin(x - y)}{\cos x \cdot \cos y}$,

$x, y \neq \frac{\pi}{2} + \pi n, n \in Z$.

A) 2; 3; 4 B) 1; 2; 3 **C) 1; 3; 4** D) 1; 2; 4

3313. 6.2-1 file-» 50 - 112 - - (402166)

$2 \sin 3x - 1 = 0$ tenglamani yeching.

A) $(-1)^k \frac{\pi}{18} + \frac{\pi k}{3}, k \in Z$

B) $(-1)^k \frac{\pi}{9} + \frac{\pi k}{3}, k \in Z$

C) $(-1)^k \frac{\pi}{18} + \frac{2\pi k}{3}, k \in Z$

D) $(-1)^k \frac{\pi}{9} + \frac{2\pi k}{3}, k \in Z$

3314. 6.2-1 file-» 50 - 112 - - (402167)

$2 \sin 3x - \sqrt{2} = 0$ tenglamani yeching.

A) $(-1)^k \frac{\pi}{12} + \frac{\pi k}{3}, k \in Z$

B) $(-1)^k \frac{\pi}{4} + \frac{\pi k}{3}, k \in Z$

C) $(-1)^k \frac{\pi}{12} + \frac{2\pi k}{3}, k \in Z$

D) $(-1)^k \frac{\pi}{4} + \frac{2\pi k}{3}, k \in Z$

3315. 6.2-1 file-» 50 - 112 - - (402168)
 $2 \sin 3x - \sqrt{3} = 0$ tenglamani yeching.
A) $(-1)^k \frac{\pi}{9} + \frac{\pi k}{3}, k \in Z$

B) $(-1)^k \frac{\pi}{18} + \frac{\pi k}{3}, k \in Z$
C) $(-1)^k \frac{\pi}{9} + \frac{2\pi k}{3}, k \in Z$
D) $(-1)^k \frac{\pi}{18} + \frac{2\pi k}{3}, k \in Z$

3316. 6.2-1 file-» 50 - 112 - - (402169)
 $2 \sin 4x - 1 = 0$ tenglamani yeching.
A) $(-1)^k \frac{\pi}{24} + \frac{\pi k}{4}, k \in Z$

B) $(-1)^k \frac{\pi}{12} + \frac{\pi k}{4}, k \in Z$
C) $(-1)^k \frac{\pi}{24} + \frac{\pi k}{2}, k \in Z$
D) $(-1)^k \frac{\pi}{12} + \frac{\pi k}{2}, k \in Z$

3317. 6.2-1 file-» 50 - 112 - - (402170)
 $2 \sin 4x - \sqrt{2} = 0$ tenglamani yeching.
A) $(-1)^k \frac{3\pi}{16} + \frac{\pi k}{4}, k \in Z$

B) $(-1)^k \frac{\pi}{16} + \frac{\pi k}{4}, k \in Z$
C) $(-1)^k \frac{\pi}{16} + \frac{\pi k}{2}, k \in Z$
D) $(-1)^k \frac{3\pi}{16} + \frac{\pi k}{2}, k \in Z$

3318. 6.2-1 file-» 50 - 112 - - (402171)
 $2 \sin 4x - \sqrt{3} = 0$ tenglamani yeching.
A) $(-1)^k \frac{\pi}{12} + \frac{\pi k}{4}, k \in Z$

B) $(-1)^k \frac{\pi}{24} + \frac{\pi k}{4}, k \in Z$
C) $(-1)^k \frac{\pi}{12} + \frac{\pi k}{2}, k \in Z$
D) $(-1)^k \frac{\pi}{24} + \frac{\pi k}{2}, k \in Z$

3319. 6.2-1 file-» 50 - 112 - - (402172)
 $2 \sin 6x - 1 = 0$ tenglamani yeching.
A) $(-1)^k \frac{\pi}{36} + \frac{\pi k}{6}, k \in Z$

B) $(-1)^k \frac{\pi}{18} + \frac{\pi k}{6}, k \in Z$
C) $(-1)^k \frac{\pi}{36} + \frac{\pi k}{3}, k \in Z$
D) $(-1)^k \frac{\pi}{18} + \frac{\pi k}{3}, k \in Z$

3320. 6.2-1 file-» 50 - 112 - - (402173)
 $2 \sin 6x - \sqrt{2} = 0$ tenglamani yeching.
A) $(-1)^k \frac{\pi}{24} + \frac{\pi k}{6}, k \in Z$

B) $(-1)^k \frac{\pi}{8} + \frac{\pi k}{6}, k \in Z$
C) $(-1)^k \frac{\pi}{24} + \frac{\pi k}{3}, k \in Z$
D) $(-1)^k \frac{\pi}{8} + \frac{\pi k}{3}, k \in Z$

3321. 6.2-1 file-» 50 - 112 - - (402174)
 $2 \sin 6x - \sqrt{3} = 0$ tenglamani yeching.
A) $(-1)^k \frac{\pi}{18} + \frac{\pi k}{6}, k \in Z$

B) $(-1)^k \frac{\pi}{36} + \frac{\pi k}{6}, k \in Z$
C) $(-1)^k \frac{\pi}{18} + \frac{\pi k}{3}, k \in Z$
D) $(-1)^k \frac{\pi}{36} + \frac{\pi k}{3}, k \in Z$

3322. 6.2-1 file-» 50 - 112 - - (402175)
 $2 \cos 3x - 1 = 0$ tenglamani yeching.
A) $\pm \frac{1}{9}\pi + \frac{2}{3}\pi k, k \in Z$

B) $(-1)^k \frac{\pi}{9} + \frac{\pi k}{3}, k \in Z$
C) $\pm \frac{1}{18}\pi + \frac{2}{3}\pi k, k \in Z$
D) $(-1)^k \frac{\pi}{18} + \frac{\pi k}{3}, k \in Z$

3323. 6.2-1 file-» 50 - 112 - - (402176)
 $2 \cos 3x - \sqrt{2} = 0$ tenglamani yeching.
A) $\pm \frac{1}{12}\pi + \frac{2}{3}\pi k, k \in Z$

B) $(-1)^k \frac{\pi}{12} + \frac{\pi k}{3}, k \in Z$
C) $\pm \frac{1}{12}\pi + \frac{\pi k}{3}, k \in Z$
D) $(-1)^k \frac{\pi}{12} + \frac{2\pi k}{3}, k \in Z$

3324. 6.2-1 file-» 50 - 112 - - (402177)
 $2 \cos 3x - \sqrt{3} = 0$ tenglamani yeching.
A) $\pm \frac{1}{18}\pi + \frac{2}{3}\pi k, k \in Z$

B) $(-1)^k \frac{\pi}{18} + \frac{\pi k}{3}, k \in Z$
C) $\pm \frac{1}{9}\pi + \frac{2}{3}\pi k, k \in Z$
D) $(-1)^k \frac{\pi}{9} + \frac{\pi k}{3}, k \in Z$

3325. 6.2-1 file-» 50 - 112 - - (402178)
 $2 \cos 4x - 1 = 0$ tenglamani yeching.
A) $\pm \frac{1}{12} \pi + \frac{1}{2} \pi k, k \in Z$

B) $(-1)^k \frac{\pi}{12} + \frac{\pi k}{4}, k \in Z$
C) $\pm \frac{1}{24} \pi + \frac{1}{2} \pi k, k \in Z$
D) $(-1)^k \frac{\pi}{24} + \frac{\pi k}{4}, k \in Z$
3326. 6.2-1 file-» 50 - 112 - - (402179)
 $2 \cos 4x - \sqrt{2} = 0$ tenglamani yeching.
A) $\pm \frac{1}{16} \pi + \frac{1}{2} \pi k, k \in Z$

B) $(-1)^k \frac{\pi}{16} + \frac{\pi k}{4}, k \in Z$
C) $\pm \frac{1}{16} \pi + \frac{1}{4} \pi k, k \in Z$
D) $(-1)^k \frac{\pi}{16} + \frac{\pi k}{2}, k \in Z$
3327. 6.2-1 file-» 50 - 112 - - (402180)
 $2 \cos 4x - \sqrt{3} = 0$ tenglamani yeching.
A) $\pm \frac{1}{24} \pi + \frac{1}{2} \pi k, k \in Z$

B) $(-1)^k \frac{\pi}{24} + \frac{\pi k}{4}, k \in Z$
C) $\pm \frac{1}{12} \pi + \frac{1}{2} \pi k, k \in Z$
D) $(-1)^k \frac{\pi}{12} + \frac{\pi k}{4}, k \in Z$
3328. 6.2-1 file-» 50 - 112 - - (402181)
 $2 \cos 6x - 1 = 0$ tenglamani yeching.
A) $\pm \frac{1}{18} \pi + \frac{1}{3} \pi k, k \in Z$

B) $(-1)^k \frac{\pi}{18} + \frac{\pi k}{6}, k \in Z$
C) $\pm \frac{1}{36} \pi + \frac{1}{3} \pi k, k \in Z$
D) $(-1)^k \frac{\pi}{36} + \frac{\pi k}{6}, k \in Z$
3329. 6.2-1 file-» 50 - 112 - - (402182)
 $2 \cos 6x - \sqrt{2} = 0$ tenglamani yeching.
A) $\pm \frac{1}{24} \pi + \frac{1}{3} \pi k, k \in Z$

B) $(-1)^k \frac{\pi}{24} + \frac{\pi k}{6}, k \in Z$
C) $\pm \frac{1}{24} \pi + \frac{1}{6} \pi k, k \in Z$
D) $(-1)^k \frac{\pi}{24} + \frac{\pi k}{3}, k \in Z$
3330. 6.2-1 file-» 50 - 112 - - (402183)
 $2 \cos 6x - \sqrt{3} = 0$ tenglamani yeching.
A) $\pm \frac{1}{36} \pi + \frac{1}{3} \pi k, k \in Z$

B) $(-1)^k \frac{\pi}{36} + \frac{\pi k}{6}, k \in Z$
C) $\pm \frac{1}{18} \pi + \frac{1}{3} \pi k, k \in Z$
D) $(-1)^k \frac{\pi}{18} + \frac{\pi k}{6}, k \in Z$
3331. 6.2-1 file-» 50 - 112 - - (402184)
 $2 \cos 3x + 1 = 0$ tenglamani yeching.
A) $\pm \frac{2}{9} \pi + \frac{2}{3} \pi k, k \in Z$
B) $(-1)^k \frac{2\pi}{9} + \frac{\pi k}{3}, k \in Z$
C) $-\frac{\pi}{18} + \frac{2}{3} \pi k, k \in Z$
D) $(-1)^k \frac{\pi}{18} + \frac{\pi k}{3}, k \in Z$
3332. 6.2-1 file-» 50 - 112 - - (402185)
 $2 \cos 3x + \sqrt{2} = 0$ tenglamani yeching.
A) $\pm \frac{1}{4} \pi + \frac{2}{3} \pi k, k \in Z$

B) $(-1)^k \frac{\pi}{4} + \frac{\pi k}{3}, k \in Z$
C) $-\frac{1}{12} \pi + \frac{2}{3} \pi k, k \in Z$
D) $(-1)^{k+1} \frac{\pi}{12} + \frac{\pi k}{3}, k \in Z$
3333. 6.2-1 file-» 50 - 112 - - (402186)
 $2 \cos 3x + \sqrt{3} = 0$ tenglamani yeching.
A) $\pm \frac{5}{18} \pi + \frac{2}{3} \pi k, k \in Z$

B) $(-1)^k \frac{5\pi}{18} + \frac{\pi k}{3}, k \in Z$
C) $-\frac{1}{9} \pi + \frac{2}{3} \pi k, k \in Z$
D) $(-1)^{k+1} \frac{\pi}{9} + \frac{\pi k}{3}, k \in Z$
3334. 6.2-1 file-» 50 - 112 - - (402187)
 $2 \cos 4x + 1 = 0$ tenglamani yeching.
A) $\pm \frac{1}{6} \pi + \frac{1}{2} \pi k, k \in Z$

B) $(-1)^k \frac{\pi}{6} + \frac{\pi k}{4}, k \in Z$
C) $-\frac{1}{24} \pi + \frac{1}{2} \pi k, k \in Z$
D) $(-1)^{k+1} \frac{\pi}{24} + \frac{\pi k}{4}, k \in Z$

3335. 6.2-1 file-» 50 - 112 - - (402188)
 $2 \cos 4x + \sqrt{2} = 0$ tenglamani yeching.
A) $\pm \frac{3}{16}\pi + \frac{1}{2}\pi k, k \in Z$
 B) $(-1)^k \frac{3\pi}{16} + \frac{\pi k}{4}, k \in Z$
 C) $-\frac{1}{16}\pi + \frac{1}{2}\pi k, k \in Z$
 D) $(-1)^{k+1} \frac{\pi}{16} + \frac{\pi k}{4}, k \in Z$

3336. 6.2-1 file-» 50 - 112 - - (402189)
 $2 \cos 4x + \sqrt{3} = 0$ tenglamani yeching.
A) $\pm \frac{5}{24}\pi + \frac{1}{2}\pi k, k \in Z$
 B) $(-1)^k \frac{5\pi}{24} + \frac{\pi k}{4}, k \in Z$
 C) $-\frac{1}{12}\pi + \frac{1}{2}\pi k, k \in Z$
 D) $(-1)^{k+1} \frac{\pi}{12} + \frac{\pi k}{4}, k \in Z$

3337. 6.2-1 file-» 50 - 112 - - (402190)
 $2 \cos 6x + 1 = 0$ tenglamani yeching.
A) $\pm \frac{1}{9}\pi + \frac{1}{3}\pi k, k \in Z$
 B) $(-1)^k \frac{\pi}{9} + \frac{\pi k}{6}, k \in Z$
 C) $-\frac{1}{36}\pi + \frac{1}{3}\pi k, k \in Z$
 D) $(-1)^{k+1} \frac{\pi}{36} + \frac{\pi k}{6}, k \in Z$

3338. 6.2-1 file-» 50 - 112 - - (402191)
 $2 \cos 6x + \sqrt{2} = 0$ tenglamani yeching.
A) $\pm \frac{1}{8}\pi + \frac{1}{3}\pi k, k \in Z$
 B) $(-1)^k \frac{\pi}{8} + \frac{\pi k}{6}, k \in Z$
 C) $-\frac{1}{24}\pi + \frac{1}{3}\pi k, k \in Z$
 D) $(-1)^{k+1} \frac{\pi}{24} + \frac{\pi k}{6}, k \in Z$

3339. 6.2-1 file-» 50 - 112 - - (402192)
 $2 \cos 6x + \sqrt{3} = 0$ tenglamani yeching.
A) $\pm \frac{5}{36}\pi + \frac{1}{3}\pi k, k \in Z$
 B) $(-1)^k \frac{5\pi}{36} + \frac{\pi k}{6}, k \in Z$
 C) $-\frac{1}{18}\pi + \frac{1}{3}\pi k, k \in Z$
 D) $(-1)^{k+1} \frac{\pi}{18} + \frac{\pi k}{6}, k \in Z$

3340. 6.2-1 file-» 50 - 112 - - (402193)
 $2 \cos 8x + 1 = 0$ tenglamani yeching.
A) $\pm \frac{1}{12}\pi + \frac{1}{4}\pi k, k \in Z$
 B) $(-1)^k \frac{\pi}{12} + \frac{\pi k}{8}, k \in Z$
 C) $-\frac{1}{48}\pi + \frac{1}{4}\pi k, k \in Z$
 D) $(-1)^{k+1} \frac{\pi}{48} + \frac{\pi k}{8}, k \in Z$

3341. 6.2-1 file-» 50 - 112 - - (402194)
 $2 \cos 8x + \sqrt{2} = 0$ tenglamani yeching.
A) $\pm \frac{3}{32}\pi + \frac{1}{4}\pi k, k \in Z$
 B) $(-1)^k \frac{3\pi}{32} + \frac{\pi k}{8}, k \in Z$
 C) $-\frac{1}{32}\pi + \frac{1}{4}\pi k, k \in Z$
 D) $(-1)^{k+1} \frac{\pi}{32} + \frac{\pi k}{8}, k \in Z$

3342. 6.2-1 file-» 50 - 112 - - (402195)
 $2 \cos 8x + \sqrt{3} = 0$ tenglamani yeching.
A) $\pm \frac{5}{48}\pi + \frac{1}{4}\pi k, k \in Z$
 B) $(-1)^k \frac{5\pi}{48} + \frac{\pi k}{8}, k \in Z$
 C) $-\frac{1}{24}\pi + \frac{1}{4}\pi k, k \in Z$
 D) $(-1)^{k+1} \frac{\pi}{24} + \frac{\pi k}{8}, k \in Z$

3343. 6.2-1 file-» 50 - 160 - - (704750)
 $1 - 2 \sin 2x = 0$ tenglamani yeching.
A) $(-1)^k \frac{\pi}{12} + \frac{\pi k}{2}, k \in Z$
 B) $(-1)^k \frac{\pi}{6} + \frac{\pi k}{2}, k \in Z$
 C) $(-1)^k \frac{\pi}{12} + \pi k, k \in Z$
 D) $(-1)^k \frac{\pi}{6} + \pi k, k \in Z$

3344. 6.2-1 file-» 50 - 160 - - (704751)
 $\sqrt{3} - 2 \sin 2x = 0$ tenglamani yeching.
A) $(-1)^k \frac{\pi}{6} + \pi k, k \in Z$
 B) $(-1)^k \frac{\pi}{12} + \pi k, k \in Z$
 C) $(-1)^k \frac{\pi}{6} + \frac{\pi k}{2}, k \in Z$
 D) $(-1)^k \frac{\pi}{12} + \frac{\pi k}{2}, k \in Z$

3345. 6.2-1 file-» 50 - 160 - - (704752) $1 + 2 \sin 2x = 0$ tenglamani yeching.
 A) $(-1)^{k+1} \frac{\pi}{3} + \frac{\pi k}{2}, k \in Z$
 B) $(-1)^{k+1} \frac{\pi}{12} + \pi k, k \in Z$
 C) $(-1)^{k+1} \frac{\pi}{3} + \pi k, k \in Z$
D) $(-1)^{k+1} \frac{\pi}{12} + \frac{\pi k}{2}, k \in Z$
3346. 6.2-1 file-» 50 - 160 - - (704754) $\sqrt{3} + 2 \sin 2x = 0$ tenglamani yeching.
 A) $(-1)^{k+1} \frac{5\pi}{12} + \pi k, k \in Z$
B) $(-1)^{k+1} \frac{\pi}{6} + \frac{\pi k}{2}, k \in Z$
 C) $(-1)^{k+1} \frac{5\pi}{12} + \frac{\pi k}{2}, k \in Z$
 D) $(-1)^{k+1} \frac{\pi}{6} + \pi k, k \in Z$
3347. 6.2-1 file-» 50 - 160 - - (704755) $1 - 2 \cos 2x = 0$ tenglamani yeching.
 A) $\pm \frac{\pi}{12} + \pi k, k \in Z$
 B) $(-1)^k \frac{\pi}{12} + \frac{\pi k}{2}, k \in Z$
C) $\pm \frac{\pi}{6} + \pi k, k \in Z$
 D) $(-1)^k \frac{\pi}{6} + \frac{\pi k}{2}, k \in Z$
3348. 6.2-1 file-» 50 - 160 - - (704756) $\sqrt{3} - 2 \cos 2x = 0$ tenglamani yeching.
A) $\pm \frac{\pi}{12} + \pi k, k \in Z$
 B) $(-1)^k \frac{\pi}{12} + \frac{\pi k}{2}, k \in Z$
 C) $\pm \frac{\pi}{6} + \pi k, k \in Z$
 D) $(-1)^k \frac{\pi}{6} + \frac{\pi k}{2}, k \in Z$
3349. 6.2-1 file-» 50 - 160 - - (704757) $1 + 2 \cos 2x = 0$ tenglamani yeching.
 A) $(-1)^{k+1} \frac{\pi}{12} + \frac{\pi k}{2}, k \in Z$
B) $\pm \frac{\pi}{3} + \pi k, k \in Z$
 C) $(-1)^{k+1} \frac{\pi}{3} + \frac{\pi k}{2}, k \in Z$
 D) $\pm \frac{\pi}{12} + \pi k, k \in Z$
3350. 6.2-1 file-» 50 - 160 - - (704758) $\sqrt{2} + 2 \cos 2x = 0$ tenglamani yeching.
 A) $\pm \frac{\pi}{8} + \pi k, k \in Z$
 B) $(-1)^{k+1} \frac{\pi}{8} + \frac{\pi k}{2}, k \in Z$
C) $\pm \frac{3\pi}{8} + \pi k, k \in Z$
 D) $(-1)^{k+1} \frac{3\pi}{8} + \frac{\pi k}{2}, k \in Z$
3351. 6.2-1 file-» 50 - 160 - - (704759) $\sqrt{3} + 2 \cos 2x = 0$ tenglamani yeching.
 A) $(-1)^{k+1} \frac{5\pi}{12} + \frac{\pi k}{2}, k \in Z$
 B) $\pm \frac{\pi}{6} + \pi k, k \in Z$
 C) $(-1)^{k+1} \frac{\pi}{6} + \frac{\pi k}{2}, k \in Z$
D) $\pm \frac{5\pi}{12} + \pi k, k \in Z$
3352. 6.2-2 file-» 28 - 1 - - (36652) $\sin x \cdot \cos x < \frac{\sqrt{2}}{4}$ tengsizlikni eching.
A) $-\frac{5\pi}{8} + \pi k < x < \frac{\pi}{8} + \pi k, k \in Z$
 B) $\frac{\pi}{4} + \pi k < x < \frac{3\pi}{4} + \pi k, k \in Z$
 C) $\frac{\pi}{8} + \pi k < x < \frac{3\pi}{8} + \pi k, k \in Z$
 D) $\frac{\pi}{8} + \pi k \leq x \leq \frac{3\pi}{8} + \pi k, k \in Z$
3353. 6.2-2 file-» 28 - 1 - - (36653) k ning қўйида кўрсатилган қийматларидан қайси бирида $\cos kx \cdot \cos 4x - \sin kx \cdot \sin 4x = \frac{\sqrt{3}}{2}$ tenglamani ilidizlari $\pm \frac{\pi}{30} + \frac{2\pi n}{5} (n \in Z)$ бўлади?
 A) 2 B) 3 C) 4 D) 1
3354. 6.2-2 file-» 28 - 2 - - (36710) $\cos^2 \frac{x}{4} > \frac{\sqrt{2}}{2} + \sin^2 \frac{x}{4}$ tengsizlikni eching.
 A) $\frac{\pi}{8} + 2\pi n < x < \frac{7\pi}{8} + 2\pi n, n \in Z$
 B) $\frac{\pi}{8} + \pi n < x < \frac{7\pi}{8} + \pi n, n \in Z$
C) $-\frac{\pi}{2} + 4\pi n < x < \frac{\pi}{2} + 4\pi n, n \in Z$
 D) $\frac{\pi}{4} + 2\pi n < x < \frac{7\pi}{4} + 2\pi n, n \in Z$

3355. 6.2-2 file-» 28 - 2 - - (36711)
 k ning қуйида қўрсатилган қийматларидан қайси бирида $\sin kx \cos x - \sin x \cos kx = 0$ тенгламанинг илдизлари $\frac{\pi n}{7}$ ($n \in Z$) бўлади?
 A) 5 **B) 8** C) 6 D) 7

3356. 6.2-2 file-» 13 - 3 - - (56623)
 $4\cos^2 2x - 2,5 = \cos 4x$ тенгламани ечинг.
 A) $\frac{\pi}{4} + \frac{n\pi}{2}, n \in Z$ **B) $\pm \frac{\pi}{12} + \frac{\pi n}{2}, n \in Z$**
 C) $\frac{\pi}{6} + \frac{n\pi}{2}, n \in Z$ D) $\frac{\pi}{3} + \frac{n\pi}{2}, n \in Z$

3357. 6.2-2 file-» 13 - 3 - - (56628)
 $\cos 2x \geq -\frac{1}{2}$ тенгсизликнинг $[0; 1, 5\pi]$ кесмадаги ечимини топинг.
 A) $[\frac{\pi}{3}; \frac{2\pi}{3}]$ **B) $[0; \frac{\pi}{3}] \cup [\frac{2\pi}{3}; \frac{4\pi}{3}]$**
 C) $[0; \frac{\pi}{3}] \cup [\frac{2\pi}{3}; \pi]$ D) $[\frac{4\pi}{3}; 2\pi]$

3358. 6.2-2 file-» 19 - 4 - - 3 (105504)
 $\operatorname{ctg}(\frac{\pi}{2} - 3x) = \operatorname{tg} 2x + \operatorname{tg} x$ тенгламани ечинг.
 A) $\frac{\pi n}{2}, n \in Z$ **B) $\frac{\pi n}{3}, n \in Z$** C) $\pi n, n \in Z$
 D) $\frac{\pi n}{2}; \pi n, n \in Z$

3359. 6.2-2 file-» 32 - 1 - - 10 (110577)
 Агар $2\sin 6x(\cos^4 3x - \sin^4 3x) = \sin kx$ тенглик ҳамма вақт ўринли бўлса, k ни топинг.
A) 12 B) 24 C) 6 D) 18

3360. 6.2-2 file-» 35 - 1 - - 1 (121848)
 Нечта бутун сон $\sin(16\pi/x) = 0$ тенгламани қаноатлантиради?
A) 10 B) 8 C) 16 D) 24

3361. 6.2-2 file-» 16 - 8 - - 3 (131403)
 $4\cos 5x = 6 + 3\cos(\frac{\pi}{2} + 5x)$ тенглама $[-\pi; 2\pi]$ кесмада нечта илдизга эга?
A) 0 B) 1 C) 2 D) 3

3362. 6.2-2 file-» 32 - 1 - - (173897)
 $\sin^4 x - \cos^4 x = \frac{1}{2}$ тенглама $[-2\pi; 2\pi]$ кесмада нечта илдизга эга?
A) 8 B) 9 C) 10 D) 7

3363. 6.2-2 file-» 28 - 1 - - (315593)
 $\sin x \cdot \cos x < \frac{\sqrt{2}}{4}$ tengsizlikni yeching.

- A) $-\frac{5\pi}{8} + \pi k < x < \frac{\pi}{8} + \pi k, k \in Z$**
 B) $\frac{\pi}{4} + \pi k < x < \frac{3\pi}{4} + \pi k, k \in Z$
 C) $\frac{\pi}{8} + \pi k < x < \frac{3\pi}{8} + \pi k, k \in Z$
 D) $\frac{\pi}{8} + \pi k \leq x \leq \frac{3\pi}{8} + \pi k, k \in Z$

3364. 6.2-2 file-» 28 - 1 - - (315594)
 k ning quyida ko'rsatilgan qiymatlaridan qaysi birida $\cos kx \cdot \cos 4x - \sin kx \cdot \sin 4x = \frac{\sqrt{3}}{2}$ tenglamaning ildizlari $\pm \frac{\pi}{30} + \frac{2\pi n}{5}$ ($n \in Z$) bo'ladi?
 A) 2 B) 3 C) 4 **D) 1**

3365. 6.2-2 file-» 28 - 2 - - (315595)
 $\cos^2 \frac{x}{4} > \frac{\sqrt{2}}{2} + \sin^2 \frac{x}{4}$ tengsizlikni yeching.

- A) $\frac{\pi}{8} + 2\pi n < x < \frac{7\pi}{8} + 2\pi n, n \in Z$
 B) $\frac{\pi}{8} + \pi n < x < \frac{7\pi}{8} + \pi n, n \in Z$
C) $-\frac{\pi}{2} + 4\pi n < x < \frac{\pi}{2} + 4\pi n, n \in Z$
 D) $\frac{\pi}{4} + 2\pi n < x < \frac{7\pi}{4} + 2\pi n, n \in Z$

3366. 6.2-2 file-» 28 - 2 - - (315596)
 k ning quyida ko'rsatilgan qiymatlaridan qaysi birida $\sin kx \cos x - \sin x \cos kx = 0$ tenglamaning ildizlari $\frac{\pi n}{7}$ ($n \in Z$) bo'ladi?
 A) 5 **B) 8** C) 6 D) 7

3367. 6.2-2 file-» 13 - 3 - - (315597)
 $4\cos^2 2x - 2,5 = \cos 4x$ tenglamani yeching.
 A) $\frac{\pi}{4} + \frac{n\pi}{2}, n \in Z$ **B) $\pm \frac{\pi}{12} + \frac{\pi n}{2}, n \in Z$**
 C) $\frac{\pi}{6} + \frac{n\pi}{2}, n \in Z$ D) $\frac{\pi}{3} + \frac{n\pi}{2}, n \in Z$

3368. 6.2-2 file-» 13 - 3 - - (315598)
 $\cos 2x \geq -\frac{1}{2}$ tengsizlikning $[0; 1, 5\pi]$ kesmadagi yechimini toping.
 A) $[\frac{\pi}{3}; \frac{2\pi}{3}]$ **B) $[0; \frac{\pi}{3}] \cup [\frac{2\pi}{3}; \frac{4\pi}{3}]$**
 C) $[0; \frac{\pi}{3}] \cup [\frac{2\pi}{3}; \pi]$ D) $[\frac{4\pi}{3}; 2\pi]$

3369. 6.2-2 file-» 19 - 4 - - 3 (315599)
 $ctg(\frac{\pi}{2} - 3x) = tg2x + tgx$ tenglamani yeching.
 A) $\frac{\pi n}{2}, n \in Z$ B) $\frac{\pi n}{3}, n \in Z$
 C) $\pi n, n \in Z$ D) $\frac{\pi n}{2}; \pi n, n \in Z$
3370. 6.2-2 file-» 32 - 1 - - 10 (315600)
 Agar $2\sin 6x(\cos^4 3x - \sin^4 3x) = \sin kx$ tenglik hamma vaqt o'rinli bo'lsa, k ni toping.
 A) 12 B) 24 C) 6 D) 18
3371. 6.2-2 file-» 35 - 1 - - 1 (315601)
 Nechta butun son $\sin(16\pi/x) = 0$ tenglamani qanoatlantiradi?
 A) 10 B) 8 C) 16 D) 24
3372. 6.2-2 file-» 16 - 8 - - 3 (315602)
 $4\cos 5x = 6 + 3\cos(\frac{\pi}{2} + 5x)$ tenglama $[-\pi; 2\pi]$ kesmada nechta ildizga ega?
 A) \emptyset B) 1 C) 2 D) 3
3373. 6.2-2 file-» 32 - 1 - - (315603)
 $\sin^4 x - \cos^4 x = \frac{1}{2}$ tenglama $[-2\pi; 2\pi]$ kesmada nechta ildizga ega?
 A) 8 B) 9 C) 10 D) 7
3374. 6.2-2 file-» 6 - 5 - - (402196)
 $4\cos \frac{x}{2} + \cos x + 1 = 0$ tenglamaning $[0; 9, 5\pi]$ kesmada nechta ildizi bor?
 A) 1 B) 2 C) 5 D) 3
3375. 6.2-2 file-» 6 - 6 - - (402197)
 $4\sin \frac{x}{2} - \cos x + 1 = 0$ tenglamaning $[0; 8\pi]$ kesmada nechta ildizi bor?
 A) 5 B) 2 C) 3 D) 1
3376. 6.2-2 file-» 22 - 4 - - (402198)
 $\sin(\frac{\pi}{6} + x) + \sin(\frac{\pi}{6} - x) = -\frac{\sqrt{3}}{2}$ tenglamaning ildizlarini ko'rsating.
 A) $\pm \frac{5\pi}{6} + 2\pi k, k \in Z$ B) $\frac{\pi}{6} + 2\pi k, k \in Z$
 C) $\pm \frac{\pi}{3} + 2\pi k, k \in Z$ D) $\pm \frac{2\pi}{3} + 2\pi k, k \in Z$
3377. 6.2-2 file-» 22 - 13 - - (402199)
 $2\sin^2 x - 5\sin(0, 5\pi - x) = -5$ tenglamani yeching.
 A) $\pi + 2\pi n, n \in Z$ B) $(-1)^n \cdot \frac{\pi}{6} + \pi n, n \in Z$
 C) $\frac{\pi}{2} + 2\pi n, n \in Z$ D) $2\pi n, n \in Z$
3378. 6.2-2 file-» 22 - 13 - - (402200)
 $\cos 3x \cdot \sin x - \cos 3x = 0$ tenglamani yeching.
 A) $\frac{\pi}{6} + \frac{\pi}{3}k, k \in Z$
 B) $(-1)^k \cdot \frac{\pi}{6} + \frac{\pi}{3}k; \frac{\pi}{2} + 2\pi k, k \in Z$
 C) $\frac{\pi}{6} + \frac{\pi}{3}k; 2\pi k, k \in Z$
 D) $\frac{\pi}{3} + \pi k; \pi k, k \in Z$
3379. 6.2-2 file-» 22 - 14 - - (402201)
 $2\cos^2(x - \pi) - 3\sin(\pi + x) = 3$ tenglamani yeching.
 A) $\frac{\pi}{2} + 2\pi n, n \in Z$
 B) $(-1)^{n+1} \cdot \frac{\pi}{6} + \pi n, -\frac{\pi}{2} + 2\pi n, n \in Z$
 C) $\pm \frac{\pi}{3} + 2\pi n, n \in Z$
 D) $\frac{\pi}{2} + 2\pi n, (-1)^n \frac{\pi}{6} + \pi n, n \in Z$
3380. 6.2-2 file-» 22 - 15 - - (402202)
 $2\sin^2(\pi - x) - 5\sin(0, 5\pi + x) = -5$ tenglamani yeching.
 A) $\pi n, n \in Z$ B) $\frac{\pi}{2} + \pi n, n \in Z$
 C) $2\pi n, n \in Z$ D) $\pi + 2\pi n, n \in Z$
3381. 6.2-2 file-» 22 - 3 - - (402203)
 $(\sin x - \cos x)^2 < \sin 2x$ tengsizlikni yeching.
 A) $(\frac{\pi}{3} + 2\pi n; \frac{2\pi}{3} + 2\pi n), n \in Z$
 B) $(-\frac{7\pi}{12} + \pi n; \frac{\pi}{12} + \pi n), n \in Z$
 C) $(\frac{\pi}{6} + 2\pi n; \frac{5\pi}{6} + 2\pi n), n \in Z$
 D) $(\frac{\pi}{12} + \pi n; \frac{5\pi}{12} + \pi n), n \in Z$
3382. 6.2-2 file-» 6 - 7 - - (402204)
 $\frac{\cos 2x}{\frac{\sqrt{2}}{2} + \sin x} = 0$ tenglamaning $[0; 6\pi]$ kesmada nechta ildizi bor?
 A) 8 B) 6 C) 4 D) 2
3383. 6.2-2 file-» 6 - 7 - - (402205)
 $\sin 2x = (\cos x - \sin x)^2$ tenglamaning $[0; 5\pi]$ kesmada nechta ildizi bor?
 A) 4 B) 8 C) 2 D) 10

3384. 6.2-2 file-» 6 - 8 - - (402206)
 $\frac{1 + \cos x}{\sin x} = 2 \cos \frac{x}{2}$ tenglamani yeching.
 kesmada nechta ildizi bor?
 A) \emptyset B) 1 C) 2 **D) 3**
3385. 6.2-2 file-» 22 - 17 - - (402207)
 $\frac{\sin 2x}{\operatorname{ctg} x - \cos x} = 0$ tenglamani yeching.
 A) $\frac{\pi k}{2}, k \in Z$ B) $\frac{\pi}{2} + \pi k, k \in Z$
 C) $2\pi k, k \in Z$ **D) \emptyset**
3386. 6.2-2 file-» 22 - 18 - - (402208)
 $\frac{\sin 2x}{\sin x + \operatorname{tg} x} = 0$ tenglamani yeching.
 A) $\frac{\pi}{2} + \pi k, k \in Z$ B) $\pi k, k \in Z$
 C) $\frac{\pi k}{2}, k \in Z$ **D) \emptyset**
3387. 6.2-2 file-» 23 - 6 - - (402209)
 $\frac{1}{\cos^2 x} = 4 \operatorname{tg}^2 x$ tenglamani yeching.
 A) $\pm \frac{\pi}{6} + \pi k, k \in Z$ B) $\pm \frac{\pi}{4} + \pi k, k \in Z$
 C) $\pm \frac{\pi}{3} + \pi k, k \in Z$ D) $\pm \frac{\pi}{3} + 2\pi k, k \in Z$
3388. 6.2-2 file-» 5 - 13 - - 9 (402210)
 $\sin 2x + \cos(\frac{3\pi}{2} + 6x) = \sin 4x$ tenglamani yeching.
 A) $\frac{\pi n}{4}, n \in Z$ **B) $\pm \frac{\pi}{6} + \pi n; \frac{\pi n}{4}, n \in Z$**
 C) $-\frac{\pi}{3} + \pi n, n \in Z$ D) $\pi n, n \in Z$
3389. 6.2-2 file-» 6 - 4 - - (402211)
 $\sin \frac{x}{2} + \cos x - 1 = 0$ tenglamani yeching.
 kesmada nechta ildizi bor?
 A) 3 **B) 4** C) 0 D) 2
3390. 6.2-2 file-» 6 - 4 - - (402212)
 $\cos^2 x - \frac{5}{2} \cos x + 1 > 0$ tengsizlik $x (x \in [0; 2\pi])$ ning qanday qiymatlarida o'rinli?
 A) $[0; \frac{\pi}{3}] \cup (\frac{5\pi}{3}; 2\pi]$ B) $(\frac{\pi}{3}; \frac{\pi}{2}] \cup [\frac{3\pi}{2}; \frac{5\pi}{3})$
C) $(\frac{\pi}{3}; \frac{5\pi}{3})$ D) $(\frac{\pi}{3}; \frac{\pi}{2}]$

3391. 6.2-2 file-» 6 - 5 - - (402213)
 $\cos^2 x - \frac{5}{2} \cos x + 1 \leq 0$ tengsizlik $x (x \in [0; 2\pi])$ ning qanday qiymatlarida o'rinli?
 A) $[0; \frac{\pi}{3}] \cup [\frac{5\pi}{3}; 2\pi]$ B) $[0; \frac{\pi}{3}]$ C) $[\frac{5\pi}{3}; 2\pi]$
D) $[\frac{\pi}{3}; \frac{\pi}{2}] \cup [\frac{3\pi}{2}; \frac{5\pi}{3}]$
3392. 6.2-2 file-» 22 - 12 - - (402214)
 $\frac{\cos^2 x - \cos x}{\sin x} = 0$ tenglama $[-2\pi; 2\pi]$ oraliqda nechta ildizga ega?
 A) 6 **B) 4** C) 3 D) 2
3393. 6.2-2 file-» 22 - 1 - - (402215)
 $\frac{\operatorname{ctg} x}{1 + \sin x} = 0$ tenglama $[0; 5\pi]$ oraliqda nechta ildizga ega?
 A) 5 B) 4 **C) 3** D) 2
3394. 6.2-2 file-» 22 - 17 - - (402216)
 $\cos x \cdot \cos 4x - \cos 5x = 0$ tenglama $[0; \pi]$ kesmada nechta ildizga ega?
A) 5 B) 2 C) 4 D) 3
3395. 6.2-2 file-» 22 - 18 - - (402217)
 $\cos x \cos 2x = \cos 3x$ tenglama $[0; 2\pi]$ oraliqda nechta ildizga ega?
A) 5 B) 4 C) 3 D) 2
3396. 6.2-2 file-» 19 - 1 - - 3 (402218)
 $4 \cos^2 x - 3 \geq 0$ tengsizlikni yeching.
 A) $[-\frac{\pi}{3} + 2\pi k; \frac{\pi}{3} + 2\pi k], k \in Z$
 B) $[-\frac{\pi}{3} + \pi k; \frac{\pi}{3} + \pi k], k \in Z$
C) $[-\frac{\pi}{6} + \pi k; \frac{\pi}{6} + \pi k], k \in Z$
 D) $[-\frac{\pi}{6} + 2\pi k; \frac{\pi}{6} + 2\pi k], k \in Z$
3397. 6.2-2 file-» 19 - 3 - - 9 (402219)
 $4 \sin^2 x (1 + \cos 2x) = 1 - \cos 2x$ tenglamani yeching.
 A) $\pi n, n \in Z$ **B) $\pi n; \pm \frac{\pi}{3} + \pi n, n \in Z$**
 C) $\pm \frac{\pi}{3} + \pi n, n \in Z$
 D) $\pi n; \pm \frac{\pi}{3} + 2\pi n, n \in Z$
3398. 6.2-2 file-» 16 - 5 - - 10 (402220)
 $\sin x = \frac{2b-3}{4-b}$ tenglama b ning nechta butun qiymatida yechimga ega bo'ladi?
A) 4 B) 1 C) 2 D) 3

3399. 6.2-2 file-» 32 - 1 - - 10 (402221)
 $\cos 2x - \cos 6x - \sin 4x = 0$ tenglama $[0; \pi]$
 kesmada nechta ildizga ega?
A) 7 B) 6 C) 8 D) 5
3400. 6.2-2 file-» 16 - 9 - - 10 (402222)
 $|\sin 3x| = \frac{1}{2}$ tenglamani yeching.
 A) $\pm \frac{\pi}{6} + \frac{\pi n}{2}, n \in Z$
 B) $\frac{\pi}{3} + 2\pi n, n \in Z$
 C) $\pm \frac{\pi}{9} + \frac{\pi n}{3}, n \in Z$
 D) $\pm \frac{\pi}{18} + \frac{\pi n}{3}, n \in Z$
3401. 6.2-2 file-» 16 - 13 - - 7 (402223)
 $|\sin x| \leq \frac{\sqrt{3}}{2}$ tengsizlikni yeching.
A) $[-\frac{\pi}{3} + \pi n; \frac{\pi}{3} + \pi n], n \in Z$
 B) $[-\frac{\pi}{6} + \pi n; \frac{\pi}{6} + \pi n], n \in Z$
 C) $[-\frac{\pi}{6} + 2\pi n; \frac{\pi}{6} + 2\pi n], n \in Z$
 D) $[-\frac{\pi}{3} + 2\pi n; \frac{\pi}{3} + 2\pi n], n \in Z$
3402. 6.2-2 file-» 16 - 13 - - 7 (402224)
 $\sin 3x = \cos 5x$ tenglamani yeching.
 A) $\frac{\pi}{15} + \frac{\pi n}{3}, n \in Z$
 B) $\frac{\pi}{4} + \pi n; \frac{\pi}{16} + \frac{\pi n}{2}, n \in Z$
 C) $\frac{\pi}{16} + \frac{\pi n}{4}; \frac{3\pi}{4} + \pi n, n \in Z$
D) $\frac{\pi}{4} + \frac{\pi n}{4}; \frac{3\pi}{4} + \frac{\pi n}{2}, n \in Z$
3403. 6.2-2 file-» 51 - 1 - - (402225)
 $|\sin 2x| = \frac{\sqrt{2}}{2}$ tenglamani $[-3\pi; 4\pi]$ oraligida
 nechta ildizi bor?
A) 28 B) 14 C) 27 D) 29
3404. 6.2-2 file-» 6 - 5 - - 2 (719789)
 $4 \cos \frac{x}{2} + \cos x + 1 = 0$ tenglamani $[0; 9, 5\pi]$
 kesmada nechta ildizi bor?
 A) 1 B) 2 C) 5 D) 3
3405. 6.2-2 file-» 6 - 6 - - 2 (719790)
 $4 \sin \frac{x}{2} - \cos x + 1 = 0$ tenglamani $[0; 8\pi]$
 kesmada nechta ildizi bor?
A) 5 B) 2 C) 3 D) 1
3406. 6.2-2 file-» 22 - 14 - - 2 (719791)
 $2 \cos^2(x - \pi) - 3 \sin(\pi + x) = 3$ tenglamani
 yeching.
 A) $\frac{\pi}{2} + 2\pi n, n \in Z$
 B) $(-1)^{n+1} \cdot \frac{\pi}{6} + \pi n, -\frac{\pi}{2} + 2\pi n, n \in Z$
 C) $\pm \frac{\pi}{3} + 2\pi n, n \in Z$
D) $\frac{\pi}{2} + 2\pi n, (-1)^n \frac{\pi}{6} + \pi n, n \in Z$
3407. 6.2-2 file-» 22 - 15 - - 2 (719792)
 $2 \sin^2(\pi - x) - 5 \sin(0, 5\pi + x) = -5$ tenglamani
 yeching.
 A) $\pi n, n \in Z$ B) $\frac{\pi}{2} + \pi n, n \in Z$
C) $2\pi n, n \in Z$ D) $\pi + 2\pi n, n \in Z$
3408. 6.2-2 file-» 6 - 7 - - 2 (719793)
 $\frac{\cos 2x}{\frac{\sqrt{2}}{2} + \sin x} = 0$ tenglamani $[0; 6\pi]$ kesmada
 nechta ildizi bor?
 A) 8 B) 6 C) 4 D) 2
3409. 6.2-2 file-» 6 - 7 - - 2 (719794)
 $\sin 2x = (\cos x - \sin x)^2$ tenglamani $[0; 5\pi]$
 kesmada nechta ildizi bor?
 A) 4 B) 8 C) 2 D) 10
3410. 6.2-2 file-» 6 - 8 - - 2 (719795)
 $\frac{1 + \cos x}{\sin x} = 2 \cos \frac{x}{2}$ tenglamani $[0; \frac{16\pi}{3}]$
 kesmada nechta ildizi bor?
 A) \emptyset B) 1 C) 2 D) 3
3411. 6.2-2 file-» 22 - 17 - - 2 (719796)
 $\frac{\sin 2x}{\operatorname{ctg} x - \cos x} = 0$ tenglamani yeching.
 A) $\frac{\pi k}{2}, k \in Z$ B) $\frac{\pi}{2} + \pi k, k \in Z$
 C) $2\pi k, k \in Z$ D) \emptyset
3412. 6.2-2 file-» 22 - 18 - - 2 (719797)
 $\frac{\sin 2x}{\sin x + \operatorname{tg} x} = 0$ tenglamani yeching.
 A) $\frac{\pi}{2} + \pi k, k \in Z$ B) $\pi k, k \in Z$
 C) $\frac{\pi k}{2}, k \in Z$ D) \emptyset

3413. 6.2-2 file-» 23 - 13 - - 2 (719798)
 $(1 + \cos x) \operatorname{tg} \frac{x}{2} + 1 = 0$ tenglamani yeching.
 A) $\pi k, k \in Z$ B) $\frac{\pi}{2} + 2\pi k, k \in Z$
 C) $-\frac{\pi}{2} + 2\pi k, k \in Z$ D) $\pi + \pi k, k \in Z$

3414. 6.2-2 file-» 51 - 1 - - (719799)
 $\cos x + \sqrt{1 + \sin x} = 0$ tenglamani yeching.
 A) $-\frac{\pi}{2} + 2\pi k; k \in Z$
 B) $-\frac{\pi}{2} + 2\pi k; \pi + 2\pi k; k \in Z$
 C) $\frac{\pi k}{2}; k \in Z$ D) \emptyset

3415. 6.2-2 file-» 51 - 1 - - (719800)
 $\sin x \cdot \cos \frac{\pi}{4} - \cos x \cdot \cos \frac{3\pi}{4} = \frac{1}{\sqrt{2}}$ tenglamani yeching.
 A) $2\pi k; k \in Z$
 B) $\frac{\pi}{2} + 2\pi k; k \in Z$
 C) $(-1)^k \frac{\pi}{4} - \frac{\pi}{4} + \pi k; k \in Z$
 D) $(-1)^k \frac{3\pi}{4} - \frac{\pi}{4}; k \in Z$

3416. 6.2-2 file-» 51 - 1 - - (719801)
 $\frac{2 \cos^2 x - 3 \cos x + 1}{2 \sin x - \sqrt{3}} = 0$ tenglamani yeching.
 A) $\pm \frac{\pi}{3} + 2\pi k; k \in Z$
 B) $\pm \frac{\pi}{3} + 2\pi k, 2\pi k; k \in Z$
 C) $\frac{\pi}{3} + 2\pi k, 2\pi k; k \in Z$
 D) $-\frac{\pi}{3} + 2\pi k, 2\pi k; k \in Z$

3417. 6.2-2 file-» 51 - 1 - - (719802)
 $(\cos 3x - \cos x)^2 = (\sin 3x - \sin x)^2$ tenglamani yeching.
 A) $\pi k; k \in Z$ B) $\pi k, \frac{\pi}{8} + \frac{\pi k}{4}; k \in Z$
 C) $\frac{\pi}{2} + \frac{\pi k}{2}; k \in Z$ D) $\frac{\pi k}{2}; k \in Z$

3418. 6.2-2 file-» 51 - 2 - - (719803)
 $\frac{\sin 2x}{1 - \sin^2 x} = 0$ tenglamani yeching.
 A) $2\pi n; n \in Z$ B) $n\pi; n \in Z$
 C) $\frac{\pi}{2} + n\pi; n \in Z$ D) $\frac{n\pi}{2}; n \in Z$

3419. 6.2-2 file-» 51 - 2 - - (719804)
 $\operatorname{tg} \left(x + \frac{\pi}{3} \right) \leq \sqrt{3}$ tengsizlikni yeching.
 A) $\pi k - \frac{5\pi}{6} < x \leq \pi k; k \in Z$
 B) $\pi k - \frac{5\pi}{6} \leq x \leq \pi k; k \in Z$
 C) $\pi k - \frac{\pi}{6} < x \leq \frac{2\pi}{3} + \pi k; k \in Z$
 D) $\pi k - \frac{\pi}{6} \leq x \leq \frac{2\pi}{3} + \pi k; k \in Z$

3420. 6.2-2 file-» 58 - 1 - - (719805)
 $2 \sin x + 3 \cos x = 4$ tenglamani yeching.
 A) \emptyset B) $\frac{\pi}{4} + \pi n, n \in Z$ C) $2\pi n$
 D) $\frac{\pi}{2} + \pi n, n \in Z$

3421. 6.2-3 file-» 50 - 151 - - (704760)
 $\cos 2x - \sqrt{3} \sin 2x > 0$ tengsizlikni yeching.
 A) $\left(-\frac{\pi}{6} + \pi k; \frac{\pi}{3} + \pi k \right), k \in Z$
 B) $\left(-\frac{2\pi}{3} + \pi k; -\frac{\pi}{6} + \pi k \right), k \in Z$
 C) $\left(-\frac{5\pi}{12} + \pi k; \frac{\pi}{12} + \pi k \right), k \in Z$
 D) $\left(\frac{\pi}{12} + \pi k; \frac{7\pi}{12} + \pi k \right), k \in Z$

3422. 6.2-3 file-» 50 - 151 - - (704761)
 $\cos 3x - \sqrt{3} \sin 3x > 0$ tengsizlikni yeching.
 A) $\left(\frac{\pi}{18} + \frac{2}{3}\pi k; \frac{7\pi}{18} + \frac{2}{3}\pi k \right), k \in Z$
 B) $\left(-\frac{\pi}{9} + \frac{2}{3}\pi k; \frac{2\pi}{9} + \frac{2}{3}\pi k \right), k \in Z$
 C) $\left(-\frac{4\pi}{9} + \frac{2}{3}\pi k; -\frac{\pi}{9} + \frac{2}{3}\pi k \right), k \in Z$
 D) $\left(-\frac{5}{18}\pi + \frac{2}{3}\pi k; \frac{\pi}{18} + \frac{2}{3}\pi k \right), k \in Z$

3423. 6.2-3 file-» 50 - 151 - - (704762)

$\cos 4x - \sqrt{3} \sin 4x > 0$ tengsizlikni yeching.

- A) $\left(-\frac{5}{24}\pi + \frac{\pi}{2}k; \frac{\pi}{24} + \frac{\pi}{2}k\right), k \in Z$

B) $\left(\frac{\pi}{24} + \frac{\pi}{2}k; \frac{7\pi}{24} + \frac{\pi}{2}k\right), k \in Z$
C) $\left(-\frac{\pi}{12} + \frac{\pi}{2}k; \frac{\pi}{6} + \frac{\pi}{2}k\right), k \in Z$
D) $\left(-\frac{\pi}{3} + \frac{\pi}{2}k; -\frac{\pi}{12} + \frac{\pi}{2}k\right), k \in Z$

3424. 6.2-3 file-» 50 - 151 - - (704763)

$\cos 2x + \sqrt{3} \sin 2x > 0$ tengsizlikni yeching.

- A) $\left(\frac{\pi}{6} + \pi k; \frac{2\pi}{3} + \pi k\right), k \in Z$
B) $\left(-\frac{\pi}{3} + \pi k; \frac{\pi}{6} + \pi k\right), k \in Z$
C) $\left(-\frac{\pi}{12} + \pi k; \frac{5\pi}{12} + \pi k\right), k \in Z$

D) $\left(\frac{5\pi}{12} + \pi k; \frac{11\pi}{12} + \pi k\right), k \in Z$

3425. 6.2-3 file-» 50 - 151 - - (704764)

$\cos 3x + \sqrt{3} \sin 3x > 0$ tengsizlikni yeching.

- A) $\left(\frac{5\pi}{18} + \frac{2\pi}{3}k; \frac{11\pi}{18} + \frac{2\pi}{3}k\right), k \in Z$
B) $\left(\frac{\pi}{9} + \frac{2\pi}{3}k; \frac{4\pi}{9} + \frac{2\pi}{3}k\right), k \in Z$
C) $\left(-\frac{2\pi}{9} + \frac{2\pi}{3}k; \frac{\pi}{9} + \frac{2\pi}{3}k\right), k \in Z$

D) $\left(-\frac{\pi}{18} + \frac{2\pi}{3}k; \frac{5\pi}{18} + \frac{2\pi}{3}k\right), k \in Z$

3426. 6.2-3 file-» 50 - 151 - - (704765)

$\cos 4x + \sqrt{3} \sin 4x > 0$ tengsizlikni yeching.

- A) $\left(-\frac{\pi}{24} + \frac{\pi}{2}k; \frac{5\pi}{24} + \frac{\pi}{2}k\right), k \in Z$

B) $\left(\frac{5\pi}{24} + \frac{\pi}{2}k; \frac{11\pi}{24} + \frac{\pi}{2}k\right), k \in Z$
C) $\left(\frac{\pi}{12} + \frac{\pi}{2}k; \frac{\pi}{3} + \frac{\pi}{2}k\right), k \in Z$
D) $\left(-\frac{\pi}{6} + \frac{\pi}{2}k; \frac{\pi}{12} + \frac{\pi}{2}k\right), k \in Z$

3427. 6.2-3 file-» 50 - 151 - - (704766)

$\cos 2x - \sqrt{3} \sin 2x < 0$ tengsizlikni yeching.

- A) $\left(-\frac{\pi}{6} + \pi k; \frac{\pi}{3} + \pi k\right), k \in Z$
B) $\left(-\frac{2\pi}{3} + \pi k; -\frac{\pi}{6} + \pi k\right), k \in Z$
C) $\left(-\frac{5\pi}{12} + \pi k; \frac{\pi}{12} + \pi k\right), k \in Z$

D) $\left(\frac{\pi}{12} + \pi k; \frac{7\pi}{12} + \pi k\right), k \in Z$

3428. 6.2-3 file-» 50 - 151 - - (704767)

$\cos 3x - \sqrt{3} \sin 3x < 0$ tengsizlikni yeching.

- A) $\left(\frac{\pi}{18} + \frac{2\pi}{3}k; \frac{7\pi}{18} + \frac{2\pi}{3}k\right), k \in Z$

B) $\left(-\frac{\pi}{9} + \frac{2\pi}{3}k; \frac{2\pi}{9} + \frac{2\pi}{3}k\right), k \in Z$
C) $\left(-\frac{4\pi}{9} + \frac{2\pi}{3}k; -\frac{\pi}{9} + \frac{2\pi}{3}k\right), k \in Z$
D) $\left(-\frac{5\pi}{18} + \frac{2\pi}{3}k; \frac{\pi}{18} + \frac{2\pi}{3}k\right), k \in Z$

3429. 6.2-3 file-» 50 - 151 - - (704768)

$\cos 4x - \sqrt{3} \sin 4x < 0$ tengsizlikni yeching.

- A) $\left(-\frac{5\pi}{24} + \frac{\pi}{2}k; \frac{\pi}{24} + \frac{\pi}{2}k\right), k \in Z$
B) $\left(\frac{\pi}{24} + \frac{\pi}{2}k; \frac{7\pi}{24} + \frac{\pi}{2}k\right), k \in Z$

C) $\left(-\frac{\pi}{12} + \frac{\pi}{2}k; \frac{\pi}{6} + \frac{\pi}{2}k\right), k \in Z$
D) $\left(-\frac{\pi}{3} + \frac{\pi}{2}k; -\frac{\pi}{12} + \frac{\pi}{2}k\right), k \in Z$

3430. 6.2-3 file-» 50 - 151 - - (704769)

$\cos 2x + \sqrt{3} \sin 2x < 0$ tengsizlikni yeching.

- A) $\left(\frac{\pi}{6} + \pi k; \frac{2\pi}{3} + \pi k\right), k \in Z$
B) $\left(-\frac{\pi}{3} + \pi k; \frac{\pi}{6} + \pi k\right), k \in Z$
C) $\left(-\frac{\pi}{12} + \pi k; \frac{5\pi}{12} + \pi k\right), k \in Z$

D) $\left(\frac{5\pi}{12} + \pi k; \frac{11\pi}{12} + \pi k\right), k \in Z$

3431. 6.2-3 file-» 50 - 151 - - (704770)

$\cos 3x + \sqrt{3} \sin 3x < 0$ tengsizlikni yeching.

- A) $\left(\frac{5\pi}{18} + \frac{2\pi}{3}k; \frac{11\pi}{18} + \frac{2\pi}{3}k\right), k \in Z$

B) $\left(\frac{\pi}{9} + \frac{2\pi}{3}k; \frac{4\pi}{9} + \frac{2\pi}{3}k\right), k \in Z$
C) $\left(-\frac{2\pi}{9} + \frac{2\pi}{3}k; \frac{\pi}{9} + \frac{2\pi}{3}k\right), k \in Z$
D) $\left(-\frac{\pi}{18} + \frac{2\pi}{3}k; \frac{5\pi}{18} + \frac{2\pi}{3}k\right), k \in Z$

3432. 6.2-3 file-» 50 - 151 - - (704771)

$\cos 4x + \sqrt{3} \sin 4x < 0$ tengsizlikni yeching.

- A) $\left(-\frac{\pi}{24} + \frac{\pi}{2}k; \frac{5\pi}{24} + \frac{\pi}{2}k\right), k \in Z$
B) $\left(\frac{5\pi}{24} + \frac{\pi}{2}k; \frac{11\pi}{24} + \frac{\pi}{2}k\right), k \in Z$

C) $\left(\frac{\pi}{12} + \frac{\pi}{2}k; \frac{\pi}{3} + \frac{\pi}{2}k\right), k \in Z$
D) $\left(-\frac{\pi}{6} + \frac{\pi}{2}k; \frac{\pi}{12} + \frac{\pi}{2}k\right), k \in Z$

3433. 6.2-3 file-» 50 - 151 - - (704772)

$\cos 3x + 4 \cos x > 0$ tengsizlikni yeching.

- A) $\left(-\frac{\pi}{2} + 2\pi k; \frac{\pi}{2} + 2\pi k\right), k \in Z$
 B) $\left(\frac{\pi}{2} + 2\pi k; \frac{3\pi}{2} + 2\pi k\right), k \in Z$
 C) $(2\pi k, \pi + 2\pi k), k \in Z$
 D) $(-\pi + 2\pi k, 2\pi k), k \in Z$

3434. 6.2-3 file-» 50 - 151 - - (704773)

$\cos 6x + 4 \cos 2x > 0$ tengsizlikni yeching.

- A) $\left(-\frac{\pi}{2} + \pi k; \pi k\right), k \in Z$
 B) $\left(-\frac{\pi}{4} + \pi k; \frac{\pi}{4} + \pi k\right), k \in Z$
 C) $\left(\frac{\pi}{4} + \pi k; \frac{3\pi}{4} + \pi k\right), k \in Z$
 D) $\left(\pi k; \frac{\pi}{2} + \pi k\right), k \in Z$

3435. 6.2-3 file-» 50 - 151 - - (704774)

$\cos 9x + 4 \cos 3x > 0$ tengsizlikni yeching.

- A) $\left(\frac{2\pi}{3} k; \frac{\pi}{3} + \frac{2\pi}{3} k\right), k \in Z$
 B) $\left(-\frac{\pi}{3} + \frac{2\pi}{3} k; \frac{2\pi}{3} k\right), k \in Z$
 C) $\left(-\frac{\pi}{6} + \frac{2\pi}{3} k; \frac{\pi}{6} + \frac{2\pi}{3} k\right), k \in Z$
 D) $\left(\frac{\pi}{6} + \frac{2\pi}{3} k; \frac{\pi}{2} + \frac{2\pi}{3} k\right), k \in Z$

3436. 6.2-3 file-» 50 - 151 - - (704775)

$\cos 3x + 4 \cos x < 0$ tengsizlikni yeching.

- A) $\left(-\frac{\pi}{2} + 2\pi k; \frac{\pi}{2} + 2\pi k\right), k \in Z$
 B) $\left(\frac{\pi}{2} + 2\pi k; \frac{3\pi}{2} + 2\pi k\right), k \in Z$
 C) $(2\pi k; \pi + 2\pi k), k \in Z$
 D) $(-\pi + 2\pi k; 2\pi k), k \in Z$

3437. 6.2-3 file-» 50 - 151 - - (704776)

$\cos 6x + 4 \cos 2x < 0$ tengsizlikni yeching.

- A) $\left(-\frac{\pi}{2} + \pi k; \pi k\right), k \in Z$
 B) $\left(-\frac{\pi}{4} + \pi k; \frac{\pi}{4} + \pi k\right), k \in Z$
 C) $\left(\frac{\pi}{4} + \pi k; \frac{3\pi}{4} + \pi k\right), k \in Z$
 D) $\left(\pi k; \frac{\pi}{2} + \pi k\right), k \in Z$

3438. 6.2-3 file-» 50 - 151 - - (704777)

$\cos 9x + 4 \cos 3x < 0$ tengsizlikni yeching.

- A) $\left(\frac{2\pi}{3} k; \frac{\pi}{3} + \frac{2\pi}{3} k\right), k \in Z$
 B) $\left(-\frac{\pi}{3} + \frac{2\pi}{3} k; \frac{2\pi}{3} k\right), k \in Z$
 C) $\left(-\frac{\pi}{6} + \frac{2\pi}{3} k; \frac{\pi}{6} + \frac{2\pi}{3} k\right), k \in Z$
 D) $\left(\frac{\pi}{6} + \frac{2\pi}{3} k; \frac{\pi}{2} + \frac{2\pi}{3} k\right), k \in Z$

3439. 6.2-3 file-» 50 - 151 - - (704778)

$\sin 3x - 4 \sin x > 0$ tengsizlikni yeching.

- A) $\left(-\frac{\pi}{2} + 2\pi k; \frac{\pi}{2} + 2\pi k\right), k \in Z$
 B) $\left(\frac{\pi}{2} + 2\pi k; \frac{3\pi}{2} + 2\pi k\right), k \in Z$
 C) $(2\pi k; \pi + 2\pi k), k \in Z$
 D) $(-\pi + 2\pi k; 2\pi k), k \in Z$

3440. 6.2-3 file-» 50 - 151 - - (704779)

$\sin 6x - 4 \sin 2x > 0$ tengsizlikni yeching.

- A) $\left(-\frac{\pi}{2} + \pi k; \pi k\right), k \in Z$
 B) $\left(-\frac{\pi}{4} + \pi k; \frac{\pi}{4} + \pi k\right), k \in Z$
 C) $\left(\frac{\pi}{4} + \pi k; \frac{3\pi}{4} + \pi k\right), k \in Z$
 D) $\left(\pi k; \frac{\pi}{2} + \pi k\right), k \in Z$

3441. 6.2-3 file-» 50 - 151 - - (704780)

$\sin 9x - 4 \sin 3x > 0$ tengsizlikni yeching.

- A) $\left(\frac{2\pi}{3} k; \frac{\pi}{3} + \frac{2\pi}{3} k\right), k \in Z$
 B) $\left(-\frac{\pi}{3} + \frac{2\pi}{3} k; \frac{2\pi}{3} k\right), k \in Z$
 C) $\left(-\frac{\pi}{6} + \frac{2\pi}{3} k; \frac{\pi}{6} + \frac{2\pi}{3} k\right), k \in Z$
 D) $\left(\frac{\pi}{6} + \frac{2\pi}{3} k; \frac{\pi}{2} + \frac{2\pi}{3} k\right), k \in Z$

3442. 6.2-3 file-» 50 - 151 - - (704781)

$\sin 3x - 4 \sin x < 0$ tengsizlikni yeching.

- A) $\left(-\frac{\pi}{2} + 2\pi k; \frac{\pi}{2} + 2\pi k\right), k \in Z$
 B) $\left(\frac{\pi}{2} + 2\pi k; \frac{3\pi}{2} + 2\pi k\right), k \in Z$
 C) $(2\pi k; \pi + 2\pi k), k \in Z$
 D) $(-\pi + 2\pi k; 2\pi k), k \in Z$

3443. 6.2-3 file-» 50 - 151 - - (704782)
 $\sin 6x - 4 \sin 2x < 0$ tengsizlikni yeching.
 A) $\left(-\frac{\pi}{2} + \pi k; \pi k\right), k \in Z$
 B) $\left(-\frac{\pi}{4} + \pi k; \frac{\pi}{4} + \pi k\right), k \in Z$
 C) $\left(\frac{\pi}{4} + \pi k; \frac{3\pi}{4} + \pi k\right), k \in Z$
D) $\left(\pi k; \frac{\pi}{2} + \pi k\right), k \in Z$

3444. 6.2-3 file-» 50 - 151 - - (704783)
 $\sin 9x - 4 \sin 3x < 0$ tengsizlikni yeching.
 A) $\left(\frac{2\pi}{3}k; \frac{\pi}{3} + \frac{2\pi}{3}k\right), k \in Z$
B) $\left(-\frac{\pi}{3} + \frac{2\pi}{3}k; \frac{2\pi}{3}k\right), k \in Z$
 C) $\left(-\frac{\pi}{6} + \frac{2\pi}{3}k; \frac{\pi}{6} + \frac{2\pi}{3}k\right), k \in Z$
 D) $\left(\frac{\pi}{6} + \frac{2\pi}{3}k; \frac{\pi}{2} + \frac{2\pi}{3}k\right), k \in Z$

3445. 6.2-3 file-» 51 - 1 - - (719806)
 $2\cos 7x + \cos 3x + \sqrt{3}\sin 3x = 0$ tenglamani yeching.
 A) $\frac{2\pi}{15} + \frac{\pi k}{5}, -\frac{\pi}{12} + \frac{\pi k}{2}; k \in Z$
 B) $\frac{\pi}{12} + \frac{\pi k}{5}, \frac{7\pi}{24} + \frac{\pi k}{2}; k \in Z$
 C) $\frac{\pi}{15} + \frac{2\pi k}{5}, \frac{\pi}{3} + \frac{\pi k}{2}; k \in Z$
D) $\frac{2\pi}{15} + \frac{\pi k}{5}, \frac{\pi}{6} + \frac{\pi k}{2}; k \in Z$

3446. 6.2-3 file-» 51 - 2 - - (719807)
 $\cos 2x + \cos 8x - \cos 6x = 1$ tenglama $\left[0; \frac{\pi}{2}\right]$
 oraliqda nechta ildizga ega?
A) 4 B) 3 C) 5 D) 6

3447. 6.2-3 file-» 51 - 2 - - (719808)
 $\frac{\sin^2 x - \frac{1}{2}}{\cos x - \frac{\sqrt{2}}{2}} = 0$ tenglamani yeching.
 A) $\pm \frac{\pi}{4} + 2\pi k; k \in Z$ B) $\frac{3\pi}{4} + \pi k; k \in Z$
C) $\pm \frac{3\pi}{4} + 2\pi k; k \in Z$ D) $\frac{\pi}{4} + \frac{\pi}{2}k; k \in Z$

3448. 6.2-3 file-» 51 - 2 - - (719809)
 $\cos 4x + 2 \sin 2x = 1$ tenglama $(0; 3\pi)$ da nechta ildizga ega?
A) 8 B) 7 C) 5 D) 6

3449. 6.2-3 file-» 50 - 157 - - (719810)
 $\sin 2x - \sqrt{3} \cos 2x > 0$ tengsizlikni yeching.
 A) $\left(\frac{\pi}{6} + \pi k; \frac{2\pi}{3} + \pi k\right), k \in Z$
B) $\left(-\frac{\pi}{3} + \pi k; \frac{\pi}{6} + \pi k\right), k \in Z$
 C) $\left(-\frac{\pi}{12} + \pi k; \frac{5\pi}{12} + \pi k\right), k \in Z$
 D) $\left(\frac{5\pi}{12} + \pi k; \frac{11\pi}{12} + \pi k\right), k \in Z$

3450. 6.2-3 file-» 50 - 157 - - (719811)
 $\sin 3x - \sqrt{3} \cos 3x > 0$ tengsizlikni yeching.
 A) $\left(\frac{5\pi}{18} + \frac{2\pi}{3}k; \frac{11\pi}{18} + \frac{2\pi}{3}k\right), k \in Z$
B) $\left(\frac{\pi}{9} + \frac{2\pi}{3}k; \frac{4\pi}{9} + \frac{2\pi}{3}k\right), k \in Z$
 C) $\left(-\frac{2\pi}{9} + \frac{2\pi}{3}k; \frac{\pi}{9} + \frac{2\pi}{3}k\right), k \in Z$
 D) $\left(-\frac{\pi}{18} + \frac{2\pi}{3}k; \frac{5\pi}{18} + \frac{2\pi}{3}k\right), k \in Z$

3451. 6.2-3 file-» 50 - 157 - - (719812)
 $\sin 4x - \sqrt{3} \cos 4x > 0$ tengsizlikni yeching.
 A) $\left(-\frac{\pi}{24} + \frac{\pi k}{2}; \frac{5\pi}{24} + \frac{\pi k}{2}\right), k \in Z$
 B) $\left(\frac{5\pi}{24} + \frac{\pi k}{2}; \frac{11\pi}{24} + \frac{\pi k}{2}\right), k \in Z$
C) $\left(\frac{\pi}{12} + \frac{\pi k}{2}; \frac{\pi}{3} + \frac{\pi k}{2}\right), k \in Z$
 D) $\left(-\frac{\pi}{6} + \frac{\pi k}{2}; \frac{\pi}{12} + \frac{\pi k}{2}\right), k \in Z$

3452. 6.2-3 file-» 50 - 157 - - (719813)
 $\sin 2x + \sqrt{3} \cos 2x > 0$ tengsizlikni yeching.
 A) $\left(-\frac{\pi}{6} + \pi k; \frac{\pi}{3} + \pi k\right), k \in Z$
B) $\left(-\frac{2\pi}{3} + \pi k; -\frac{\pi}{6} + \pi k\right), k \in Z$
 C) $\left(-\frac{5\pi}{12} + \pi k; \frac{\pi}{12} + \pi k\right), k \in Z$
 D) $\left(\frac{\pi}{12} + \pi k; \frac{7\pi}{12} + \pi k\right), k \in Z$

3453. 6.2-3 file-» 50 - 157 - - (719814)
 $\sin 3x + \sqrt{3} \cos 3x > 0$ tengsizlikni yeching.
 A) $\left(\frac{\pi}{18} + \frac{2\pi}{3}k; \frac{7\pi}{18} + \frac{2\pi}{3}k\right), k \in Z$
B) $\left(-\frac{\pi}{9} + \frac{2\pi}{3}k; \frac{2\pi}{9} + \frac{2\pi}{3}k\right), k \in Z$
 C) $\left(-\frac{4\pi}{9} + \frac{2\pi}{3}k; -\frac{\pi}{9} + \frac{2\pi}{3}k\right), k \in Z$
 D) $\left(-\frac{5\pi}{18} + \frac{2\pi}{3}k; \frac{\pi}{18} + \frac{2\pi}{3}k\right), k \in Z$

3454. 6.2-3 file-» 50 - 157 - - (719815)

$\sin 4x + \sqrt{3} \cos 4x > 0$ tengsizlikni yeching.

- A) $\left(-\frac{5\pi}{24} + \frac{\pi}{2}k; \frac{\pi}{24} + \frac{\pi}{2}k\right), k \in Z$
 B) $\left(\frac{\pi}{24} + \frac{\pi}{2}k; \frac{7\pi}{24} + \frac{\pi}{2}k\right), k \in Z$
 C) $\left(-\frac{\pi}{12} + \frac{\pi}{2}k; \frac{\pi}{6} + \frac{\pi}{2}k\right), k \in Z$
D) $\left(-\frac{\pi}{3} + \frac{\pi}{2}k; -\frac{\pi}{12} + \frac{\pi}{2}k\right), k \in Z$

3455. 6.2-3 file-» 50 - 157 - - (719816)

$\sin 2x - \sqrt{3} \cos 2x < 0$ tengsizlikni yeching.

- A) $\left(\frac{\pi}{6} + \pi k; \frac{2\pi}{3} + \pi k\right), k \in Z$
 B) $\left(-\frac{\pi}{3} + \pi k; \frac{\pi}{6} + \pi k\right), k \in Z$
C) $\left(-\frac{\pi}{12} + \pi k; \frac{5\pi}{12} + \pi k\right), k \in Z$
 D) $\left(\frac{5\pi}{12} + \pi k; \frac{11\pi}{12} + \pi k\right), k \in Z$

3456. 6.2-3 file-» 50 - 157 - - (719817)

$\sin 3x - \sqrt{3} \cos 3x < 0$ tengsizlikni yeching.

- A) $\left(\frac{5\pi}{18} + \frac{2\pi}{3}k; \frac{11\pi}{18} + \frac{2\pi}{3}k\right), k \in Z$
 B) $\left(\frac{\pi}{9} + \frac{2\pi}{3}k; \frac{4\pi}{9} + \frac{2\pi}{3}k\right), k \in Z$
 C) $\left(-\frac{2\pi}{9} + \frac{2\pi}{3}k; \frac{\pi}{9} + \frac{2\pi}{3}k\right), k \in Z$
D) $\left(-\frac{\pi}{18} + \frac{2\pi}{3}k; \frac{5\pi}{18} + \frac{2\pi}{3}k\right), k \in Z$

3457. 6.2-3 file-» 50 - 157 - - (719818)

$\sin 4x - \sqrt{3} \cos 4x < 0$ tengsizlikni yeching.

- A) $\left(-\frac{\pi}{24} + \frac{\pi}{2}k; \frac{5\pi}{24} + \frac{\pi}{2}k\right), k \in Z$
 B) $\left(\frac{5\pi}{24} + \frac{\pi}{2}k; \frac{11\pi}{24} + \frac{\pi}{2}k\right), k \in Z$
 C) $\left(\frac{\pi}{12} + \frac{\pi}{2}k; \frac{\pi}{3} + \frac{\pi}{2}k\right), k \in Z$
D) $\left(-\frac{\pi}{6} + \frac{\pi}{2}k; \frac{\pi}{12} + \frac{\pi}{2}k\right), k \in Z$

3458. 6.2-3 file-» 50 - 157 - - (719819)

$\sin 2x + \sqrt{3} \cos 2x < 0$ tengsizlikni yeching.

- A) $\left(-\frac{\pi}{6} + \pi k; \frac{\pi}{3} + \pi k\right), k \in Z$
 B) $\left(-\frac{2\pi}{3} + \pi k; -\frac{\pi}{6} + \pi k\right), k \in Z$
C) $\left(-\frac{5\pi}{12} + \pi k; \frac{\pi}{12} + \pi k\right), k \in Z$
 D) $\left(\frac{\pi}{12} + \pi k; \frac{7\pi}{12} + \pi k\right), k \in Z$

3459. 6.2-3 file-» 50 - 157 - - (719820)

$\sin 3x + \sqrt{3} \cos 3x < 0$ tengsizlikni yeching.

- A) $\left(\frac{\pi}{18} + \frac{2\pi}{3}k; \frac{7\pi}{18} + \frac{2\pi}{3}k\right), k \in Z$
 B) $\left(-\frac{\pi}{9} + \frac{2\pi}{3}k; \frac{2\pi}{9} + \frac{2\pi}{3}k\right), k \in Z$
C) $\left(-\frac{4\pi}{9} + \frac{2\pi}{3}k; -\frac{\pi}{9} + \frac{2\pi}{3}k\right), k \in Z$
 D) $\left(-\frac{5\pi}{18} + \frac{2\pi}{3}k; \frac{\pi}{18} + \frac{2\pi}{3}k\right), k \in Z$

3460. 6.2-3 file-» 50 - 157 - - (719821)

$\sin 4x + \sqrt{3} \cos 4x < 0$ tengsizlikni yeching.

- A) $\left(-\frac{5\pi}{24} + \frac{\pi}{2}k; \frac{\pi}{24} + \frac{\pi}{2}k\right), k \in Z$
 B) $\left(\frac{\pi}{24} + \frac{\pi}{2}k; \frac{7\pi}{24} + \frac{\pi}{2}k\right), k \in Z$
 C) $\left(-\frac{\pi}{12} + \frac{\pi}{2}k; \frac{\pi}{6} + \frac{\pi}{2}k\right), k \in Z$
D) $\left(-\frac{\pi}{3} + \frac{\pi}{2}k; -\frac{\pi}{12} + \frac{\pi}{2}k\right), k \in Z$