**8-sinfa A LGEBRA VA GEOMETRIYA I-chorak**

**1. Nuqtalarabssissasini toping. (1;0), (4;0), (0;-2)**

**A)1, 4, 0; B)1, 4, 0; C)0, 0, -2; D)1, 4, -2.**

**2. Funksiyalarqandayusullardaberiladi.**

**A)formula, jadval, grafik B)formula, jadval, sistema**

**C)formula, jadval D)sistema, jadval, grafik.**

**3. Qavariquchburchakningdiognallarisoniqaysi**

**formula yordamidatopiladi.**

**A)n(n-3) B) C) D)**

**4. Funksiya y(x)=2x-1 formula bilanberilgan y(10) ni toping.**

**A)20 B)21 C)3 D)19.**

**5.y=3x funksiyaning x=3 bo`lganda y ningungamosqiymatni toping.**

**A)y=3 B)y=9 C)y= D)y=6.**

**6. Qavariquchburchakichkiburchaklariyig`indisi**

**qaysi formulayordamidatopiladi.**

**A)180(n-2) B)180(n-3) C) D)**

**7. Oltiburchakningichkiburchaklariyig`indisinitoping.**

**A)180o B)720o C)360o D)540o**

**8. y=kx+bfunksiyaqandayfunksiyagamisolbo`ladi.**

**A) jadvalli B) formulali C) chiziqli D) grafikli**

**9. Qo`yidagilardanqaysibirichiziqlifunksiyagamisolbo`ladi?**

**A) y=250 B) y=2x2+3 C) y=3x2 D) y=2x+5**

**10. Qo`yidaginuqtalardanqaysibiri y-3x+7 funksiyagateshli**

**A) (-1;4) B) (2;10) C) (1;11) D) (3;5)**

**11. Qo`yidaginuqtalardanqaysibiri y=-2x+5 funsiyagategishliemas?**

**A) (1;-3) B) (0;5) C) (3;-1) D) (-2;9)**

**12. To`g`rito`rtburchakningperimetri 66 smgatengeniesa 15 sm. Shuto`rtburchakningbo`yini toping?**

**A) 18 B) 36 C) 20 D) 23**

**13. To`g`ritomonlari 6mm, 8mm, 10mm va 1sm gat eng.Shuto`rtburchakningperimetrini toping.**

**A) 24 B) 25 C) 34 D) 35**

**14. Ta`rifnidavomettiring. y=x2funksiyada**

**A) x erklio`zgaruvchi, y(x) erksizo`zgaruvchi B) x erksizo`zgaruvchi, y(x) erklio`zgaruvchi**

**C) chiziqlifunksiya D) to`g`rijavobyo`q**

**15. S(t)=60t funksiyada S(3) ni toping.**

**A) 20 B) 30 C) 90 D) 180**

**16.Funksiya y=-3x+5 formula bilanberilgan. xnigshundayqiymatinitopingki y=-1 bo`lsin.**

**A) x=4 B) x=2 C) x=1 D) x=0**

**17. Funksiya y=x+2 formula bilanberilganM(0;2) nuqtashufunksiyagategishlimi?**

**A) tegishli B) tegishliemas C) a va b javoblarto`g`ri D) to`g`rijavobyo`q**

**18. y=kx+4 funksiyagrafigi M(1;1) nuqtadano`tishimumkinbo`lsa, k ni toping.**

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

**19. y=-2x+b fuksiyagrafigi M(-1;7) nuqtadano`tadi. bni toping.**

**A) 9 B) 3 C) -5 D) 5**

**20. Qavariq 18 burchakningtomonlarisoninitping.**

**A) 9 B) 20 C) 19 D)9**

**21 To`g`rito`rtburchakbirtomoni 16 smgaperimetri 70 smgatengikkinchitomonini toping.**

**A) 18 B) 19 C) 20 D) 35**

**22. Birinchidarajaliikkinomalumliikkitachiziqlitenglamalarsistemasiniumumiyko`rinishiniko`rsatining.**

**23.Tenglamalarsistemasidagi a1,b1,c1koefitsentlarni qiymatlariniko`rsating .**

**24. Tenglamalarsistemsiniyechishningnechaxilusuli bor.**

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

**25. To`g`rito`rtburchakning 3 ta burchagimosravishda 400, 800, 1400bo`lsato`rtinchiburchagini toping.**

**A) 1200 B) 1000 C) 900 D) 600**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| b | a | c | d | b | a | b | c | d | a | a | a | c | a | d | b | a | c |

**19**. 5 20. 18 21. 19. **22**. **23**. 5**24**. 3 xil **25**.1000

8-sinf algebra vageometriya II-chorak

**Qat` iy katta belgisini ko`rsating .**

**a) “ ” b) “ ”c) d) “ ”**

1. **Noqat` iytengsizlikbelgilariko`rsatilganjavobnitoping .**
2. **x b)xc)x =5 ,y = od)x**
3. **Tengsizlikniyeching : 3x**

**a) x**

**4 Kvadratningyuzi100 ga teng bo`lsa , tomoniuzunligini toping .**

**a)**

**5 Kvadratningperimetri 32 smgateng .Uningtomoniqanchagateng ?**

**a) 8sm b)9sm c) 10sm d) 11sm**

**6 Tengsizlikniyechin**

**a)**

**7 Tengsizlikniyeching :**

**8 Tengsizliklarsistemasiningyechimibo`laoladiganbarchabutunsonlarni toping:**

**a)2,3,4,5,6 b)3,4,5,6,7 c)3,4,5,6, d)3,5,8**

**9 Tengsizliklarsistemasiniyeching:**

**10 Modulningta`rifiqaysijavobdato`g`riko`rsatilgan ?**

**b)|a| =**

**11. Tenglamaniyeching : =7**

**a) X=7 b) X= -7 c) X 7 d) X1 =7 , X2 =-7**

**12. Uchburchakningtomonlari 4 sm , 6 smva 8 smgateng. Shuuchburchakningo`rtachiziqlarinitoping .**

**a) 2; 3 ; 4; b) 2 ; 3 ; 6 c) 3 ; 4; 8; d) 4 ; 3 ; 4.**

**13. Trapetsiyaningasoslari 11 smva 17smgateng . Uningo`rtachizig`ininguzunligiqancha .**

**a) 28 b) 14 c) 6 d) 13**

**14. Trapeysiyaningkattaasosi 16 smgateng ,kichikasosiesaundan 6 smgaqisqa . Trapetsiyaningkichikasosinivao`rtachizig`ini toping .**

**a) 10 ; 13 b) 12 ; 8 c) 10 ; 12 d) 10 ; 8.**

**15. Trapetsiyaningkattaasosikichikasosidanuchmartakattavauningo`rtachizig`I 20 smgateng .Trapetsiyaningasoslarinitoping .**

**a) 10 ; 30 b) 5: 15 c) 20 ; 60 d) 12 ; 36**

**16. Tenglamaniyeching : |3X +2| = 1.**

**a) X = - ; X =- 1 b) X= ; X = 1 c ) X = ; X= 1 d) X = ; X= - 1 .**

**17 .Tenglamaniyeching : 4X | = 16 .**

1. **X= 4 ; X= 8 b) X = - 4 ; c) X= 4 ; d) X = 4 ; X = - 4 .**

**18. Tengsizlikniyeching : |3X – 8 |> 1 .**

**a) 3 < X < b) 3 c) 3 > X > d) 3< X< 8 .**

**19. Tengsizlikniyeching :|2X – 6 |< 10 . 20. 20. Uchburchakningo`rtachiziqlaridanbiri 6smgateng . Shuo`rtachiziqqa parallel bo`lgantomonuzunligini toping .**

**21. Asoslariyig`indisi 26 smgatengbo`lgantrapetsiyaningo`rtachizig`initoping .**

**22. Ta`rifnidavomettiring : “a sonningkvadratildizi deb , . . . . . . . . . . . . . . . . . . . . . aytiladi”**

**23. Hisoblang : 7 - .**

**24. Hisoblang :**

**25. Hisoblang : .**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** |
| **C** | **A** | **B** | **C** | **A** | **D** | **A** | **S** | **A** | **A** | **D** | **A** | **B** | **A** | **A** | **B** | **D** | **A** |

**19.** 3<x<

**20 .**12**.**

**21** . 13.

**22**. ) kvadrati a gatengbo`lganmusbatsonga.

**23**.2.

**24**. 8.

**25**.

8-sinfalgebra III-chorak

**1 Ta`rifnidavomettiring: Kvadrattenglama deb, …………. ko`rinishidagitenglamagaaytiladi.**

**2 Agarkvadrattenglamaningkoyfitsentlarigateng bo`lsa,shu kvadrat tenglamani yozing.**

1. **Berilgantenglamanikvadrattenglamagakeltiring:**

**4Teoremani davomettiring: ”shaklo`qqanisbatansimmetikakslantirilganda ……………**

**a)uningnuqtalariorasidagimasofao`zgaradi .**

**b)uningnuqtalariorasidagimasofao`zgarmaydi.**

**c)uningnuqtalariorasidagimasofa 2marta oshadi .d)nuqtalariorasidagimasofa 2 martakamayadi .**

**5. A (4;3) nuqtaqga Ox o’qiganisbatansimmetrikbo’lgannuqtani toping.**

**a) (4;-3) b) (-4;3) C) (-4;-3) d) (4;0)**

**6. A(-3;5) ) nuqtaqgaOyo’qiganisbatansimmetrikbo’lgannuqtani toping.**

**a) (3;5) b) (3;-5) c)(-3;-5) d) (-3;0)**

**7. Tenglamaniyeching: -121=0**

**a) x=11 b) x=-11**

**8. Tenglamaniyeching:**

**a) x=0, x=5 b) x=0, x=-5 c) x=5, x=-5 d) x=0, x=1**

**9. 4. Tenglamani yeching.**

**a) x= b) x=- c) x= d) x=**

**10. -3; -2; 0 ; 1 sonlaridanqaysilaritenglamani ildizi bo’ladi.**

**a) 0, 1 b) -2, 0 c) -3, -2 d) -2, 1**

**11. -3; -2; 0 ; 1 sonlaridanqaysilari tenglamani ildizi bo’ladi.**

**a) -3 b) -2, 0 c) 0, 1 d)-3, -2**

**12.To’g’rito’rtburchakningikkitomoni 4sm va 1,4m bo’lsa, uningyuzini toping.**

**a) 5, 8 b) 5, 4 c) 5,7 d) 5,6**

**13. Uchburchakningasosi 8sm, shuasosgao’tkazilganbalandligi 6sm gatengbo’lsabuuchburchakningyuzini toping.**

**a) 48 b) 96 c) 14 d)24**

**14. Trapetsiyaningasoslari 12sm va 14sm, balandligiesa 4sm gatengbo’lgantrapetsiyaningyuzini toping.**

**a) 13 b) 52 c) 32 d) 7**

**15. Asosi 0,25m vabalandligi 100m gatengbo’lganparallellogramningyuzini toping.**

**a) 25 m2 b) 2,5 m2 c) 250 m2 d) 2500 m2**

**16. Kvadrattenglamaniyeching. 2x2-3x+1=0**

**a) x1=1, x2=-1 b) x1=1, x2= c) x1=-1, x2=- d) x1=2, x2=-3**

**17. Teoremanidavomettiring. Agar x1 va x2lar x2+px+q=0 tenglamaningildizibo’lsa, u holda …………. o’rinli.**

**a) x1-x2=p b) x1+x2=p c) x1-x2=-p d) x1-x2=q**

**x1\*x2=q x1\*x2=q x1\*x2=q x1\*x2=-p**

**18. Tanlashyo’libilantenglamaildizlarini toping. X2+4x-5=0**

**a) x1=-5, x2= +1 b) x=4, y=5 c) x=4, y=1 d) yechimiyoq.**

**19. Tenglamaniyeching. X2-7x+12=0**

**20. Ta’rifnito’ldiring: Ushbu …………ko’rinishdagitenglamabikvadrattenglamadeyiladi.**

**21. Kvadrattenglamaningildizlarito’g’riyozilganjavobni toping.**

**22. Bikvadrattenglamaniyeching. 9x2+5x2-4=0**

**23.Teoremanidavomettiring.: To’g’riburchakliuchburchakgipotenuzasiningkvadrati…………**

**24.Pifagorteoremasiformulasiniyozing.**

**25. To’g’riburchakliuchburchakning ava b katetlarimosravishda 6 va 8 gatengbo’lsa, gipotenuzauzunligini toping.**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** |
| **D** | **A** | **B** | **B** | **A** | **A** | **B** | **B** | **C** | **A** | **A** | **D** | **D** | **B** | **A** | **B** | **C** | **A** |

**19**. x=3,x=4

**20**. ax4+bx2 +c=0 .

**21**.

**22**. X=.

**23**. Katetlarikvadratlariningyig`indisigateng .

**24**.c2=a2+b2

**25**. 10

8-sinfalgebra IV-chorak

1. **Tenglamalarsistemasiniyeching.**
2. **(7;-5),(-4;6) b) (-7;-5),(4;-6) c) (7;-5) d) (-4;6)**
3. **Tenglamaniyeching. 3x2=48**
4. **X=16 b) x=-16 c) x= d) x=4**

**3.Uchburchakningtomonlari 15, 15, 18 gatengbo’lsa, uningyuzini toping.**

**a) 30 b) 180 c) 54 d) 48**

**4. Geronformulasiyozilganjavobnitanlang.**

**a) b) ha=**

**c) S= d) S=a\*ha**

**5. Tekislikningberilgannuqtadanbirxilmasofadauzoqlashganbarchanuqtalardaniboratshakl ………………. deyiladi.**

**a) Uchburchak b) Aylana c) burchak d) Beshburchak**

**6. Tenglamalarsistemasiniyeching.**

**a) (1;4) b) (-1;4) c) (4;-1) d) (2;1)**

**7. Yig’indisi 3 ga, kvadratlariningyig’indisiesa 5 gatengbo’lganikkitasonni toping.**

**a) 1 va 2 b) 2 va 3 c) 2va 4 d) 1 va 3**

**8. sonning 0,43 o’nli kasrga yaqinlashsa xatoligini toping.**

**a) - b) 0,7 c) d)**

**9.Quyidagimiqdorlardantaqribiyqiymatlimiqdorlarniko’rsating.**

**a) “Sinfda 36 nafaro’quvchibor”**

**b) 2 ishchikassadan 70600 so’mpuloldi.**

**c) O’z-ton Respublikasiningdavlatbayrog’ida 12 ta yulduzbor**

**d) ToshkentdanBuxorogacha 500 km**

**10. Ta’rifdatushiribqoldirilganso’zni toping. “Miqdorninganiqqiymatibilanuningtaqribiyqiymatiorasidagi ………… moduli yaqinlashishningabsolyutxatoligideyiladi.”**

**a) Ayirmaning b) Yig’indining c) ko’paytmaning d) bo’linmaning**

**11. 0,1975sonining 0,198 sonibilanyaqinlashishxatoligini toping.**

**a) 0,05 b) 0,0005 C) 0,005 d) 0,0025**

**12. a son x sonningtqribiyqiymatibo’lsin. Agar x=4,82, a=4,9 bo’lsa, yaqinlashishxatoligini toping.**

**a) 0,0008 b) 0,008 c) 0,08 d) 0,8**

**13.Berilgannuqtaaylanmaning …………………….. deyiladi.**

**a) Vatari b) Markazi c) Radiusi d) Diametri**

**14. Aylananingixtiyoriynuqtasidanmarkazgachabo’lganmasofaaylananing ………deyiladi.**

**a) radiusi b) markazi c) vatari d) diametri**

**15. Aylananingikkitaixtiyoriynuqtaqsinitutashtiruvchikesmaaylananing ………. deyiladi.**

**a) radiusi b) markazi c) vatari d) diametri**

**16. Ta’rifnidavomettiring: “Uchiaylananingmarkazidabo’lganburchak ……… deb ataladi.”**

**a) tashqiburchak b) ichkiburchak c) yoy d) Markaziyburchak**

**17.Teoremanito’ldiring. “Vatargaperpendikulyardiamatrshuvatarnivaungatiralganyoyniteng ……….. bo’ladi.”**

**a) ikkiga b) uchqismga c) to’rtqismga d) qismga bo’ladi.**

**18. Agar ikkiaylananinmarkazlariorasidagimasofa 6 sm, radiuslarimosravishda 4 smva 2 smbo’lsa, ularo’zaroqandayjoylashadi.**

**a) kesishadi b) urinadi c) kesishmaydi d) to’g’rijavobyoq**

**19. sonini shu songa 0,01 gacha aniqlikda teng bo’lgan o’nli kasr shaklida tasvirlang.**

**20. 430,24soniningstandartshakldayozing.**

**21. 0,068345 soninistandartshakldayozing.**

**22. (-4;8 )va b (1;-4) vektorlarberilgan. 2+ vektorning koordinatalarini toping.**

**23. va (-2;3) vektorlarning skalyar ko’paytmasini toping.**

**24. (x1, y1) va (x2, y2) vektorlarningskalyarko’paytmasi deb ……….. songaaytiladi.**

**25. (-12; 5) vektorning modulini toping.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** |
| **A** | **C** | **B** | **C** | **B** | **C** | **A** | **C** | **D** | **A** | **B** | **C** | **B** | **A** | **C** | **D** | **A** | **B** |

**19. =**0,285.

**20**. 4,3024\*102.

**21**. 6,8345\*10-2

**22**. 2+=(-7,12).

**23**. \*=-13.

**24**. \*=x1\*x2+y1\*y2

**25**. 13.