#1. sin(arcsin3/5+arccos4/5) ning qiymatini toping.

A) 1 +B) 24/25 C) 4/5 D) 3/5

#2. Turli raqamli to`rt xonali 5xy2 soni 3 ga ham 4 ga ham qoldiqsiz bo`linishidan x ning nechta

farqli qiymati bor

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

#3. sin(2x-300)=cosx tenglamaning [0;π) oraliqdagi yechimlarini ayting.

A) {π/9;π/4;π/3} +B) {2π/9;8π/9;2π/3}

C) {3π/4;π/4;2π/3} D) {7π/9;2π/3;π/3}

#4.Qiymatini toping



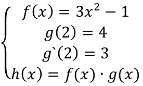
A) 13/9 +B) 37/9 C) -5/6 D) 11/3

#4. Tenglamni yeching



A) -18 +B) -15 C) -13 D) 13

#5. h `(2) ning qiymatini toping.



A) 54 B) 62 C) 74 +D) 81

#6. -1<x<3 bo`lsa, x ning qiymatini toping



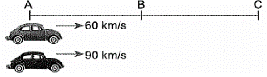
A) 0 B) 1 +C) 2 D) 3

#7. Son 10 % ining 30 % i, 30 % ining 50 % i 75 bo`lsa, shu sonni toping.

A) 1000 B) 12000 C) 3500 +D) 5000

#8. Mashinalar bir vaqtda harakatni boshladilar. Tezligi kata mashina C ga

borganda ikkinchisi B nuqtaga kelsa, AB:BC ni toping



A) 4 B) 3 C) 2,5 +D) 2

#9. 7a+3b+5c=40 va 3a+b+3c=17 bo`lsa, a+b-c ning qiymatini toping.

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

#10. tengsizlikning butun yechimlari yig`indisini toping.



A) -20 +B) -18 C) -12 D) 4

#11. f(3x+4)=6x-8 bo`lsa, f-1 (10 ) ning qiymatini toping.

A) 4 B) 7 C) 10 +D) 13

#12. f(g(x))=3g(x)+4 bo`lsa, f(2) ning qiymatini toping.

A) 4 B) 7 +C) 10 D) 12

#13. f(x)=x2+(m-3)x+9 funksiya OX o`qining manfiy tomonida urinib o`tsa, m ning

qiymatini toping

A) -6 +B) 9 C) -2 D) 3

#14. lg29!=a bo`lsa, lg30! ning qiymatini toping.

A) a B) 30a C) 30+a +D) lg3+a+1

#15. O’tkir burchakli ABC uchburchakda AB=5, BC=9, bo’lsa , ni toping .

A) + B) C) D)

#16. tgx ning qiymatini toping.



+A) -2 B) -1,5 C) -1 D) 0,5

#17. Qiymatini toping.



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

#18. ctg(13π/5);tg(4π/3);sin(13π/4) larning ishoralarini aniqlang.

+A) -;+;-

B) -;+;+

C) +;+;-

D) -;-;-

#19. tg(π/2+x)cos(3π/2+x)+sin(π/2+x) ifoda quyidagilarning qaysi biriga teng

A) –cosx +B) 0 C) sinx D) sinx-cosx

#20. Tengsizlikni yeching

|5x+25|+|-2x-10|>42

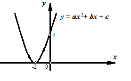
+A) (— ∞; —11)U(1; ∞)

B) (-11; 1)

C) (—1; 11)

D)(- ∞; -5)U(5; ∞)

#21. y(-3)=?



+A) 1

B) 3

C) 2

D) -1

#22. Arifmetik progressiyaning 11 -hadi, 1-hadidan 7 marta katta. Bu

progressiyaning ayirmasi 3 ga teng bo‘lsa, uning dastlabki 20 ta hadi yig‘indisini

toping.

+A) 670

B) 540

C) 620

D) 740

#23. Tengsizlikni yeching.

A) B) C) +D)

#24. bo’lsa, ni toping.

A) B) +C) D)

#25. x -y=3 bo’lsa, ifodaning qiymatini toping.

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

#26. y=kx+b funksiyaning grafigi II, III va IV choraklardan o‘tadi.

Quyidagi tengsizliklardan qaysi biri to‘g‘ri?

+A) k<0, b<0

B) k>0, b<0

C) k<0, b>0

D) k>0, b>0

#27. Hadlari musbat sonlardan iborat cheksiz kamayuvchi geometrik progressiyaning

hadlari yig’indisi 40.5 ga, ilk 3 ta hadi yig’indisi 39 ga teng. Shu progressiyaning

to’rtinchi hadini toping.

+A) 1

B) 4

C) 3

D) 2

#28. ni soddalashtiring.

+A)

B)

C)

D)

#29. tenglamani yeching.

+A) ,

B) ,

C) ,

D) ,

#30. A=521521…521 va B=321321321…321 sonlari 21 xonali bo`lsa, A2∙B sonini 9 ga bo`lgandagi qoldiqni toping

A) 0

B) 2

C) 4

+D) 6