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Algebra 2 SAT Prep Wkst 1



Algebra 2 Test SAT Practice Test

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atbic) (atbic and the and a(a+b+c)+b(a+b+c)+c(a+b+c) 9. (a+b+c)² a2+4btac+ba+b2+bc+c4+cb+c2 Which of the following is equivalent to the above expression? a²+2ab+2bc+2ca+b2+c2 all have 2so factor itout a2+b2+c2+2(ab+b2+ca) A $a^{2}+b^{2}+c^{2}$ B a²+2abc+c² $a^{2}b^{2}+c^{2}+2(abtbc+ca)$ C $a^2+2ab+b^2+2bc+c^2$ D Which of the following represents all solutions (x,y) to the system of equations shown 10. below? you call graph both Function and see where they crass ¥=x-2) or substitute and solve for x X-2=x2-x-5 $y = x^2 - x - 5$ -X +Z -x +2 (3,-1) A B (-3, 1) $0 = x^2 - 2x - 3$ 0 = (x - 3)(x + 1)(3, -5) and (1, -1) C (3, 1) and (-1, -3) X12:0 X+1:0 $7 - 7x^2 = (3x + 5)(3x - 5)$ $-7x^2 = (y+5)(y-5)$ 11. apprabetical order Values For X 1-if that a=x b=y Α 1/2 B 54=15 0=10x2-25 5/4 D 3 -1 fx=3 0= (4x-5)(4x+5) 755=(9+5)(7-5) 5-15-3 the 12. 4x-5=0 4x+5=0 7-9 54-95 Y=4 -63 =AD posione a'spos.to a70 points that work for all 3 at the some time K (-1, 1)(0, 2) В (0, 2) and (2, 4) only work for 2 - D (-1, 1), (1, 1), (0, 2) and (2, 4) C at a pme 13. (2x-3)(x+4)=0____ Let x=a and x=b be the solutions to the equation above. What is the value of a + b? You need to know what separate set =0 and solve ×+4=0 the two solubor are -5/2 2+-3=0 B -1/2 -1.4 and then add them 2x=3 C 5/2 D 9.5 X=-4 X= 3/2 togethe To add or subtract Fractions get common denominator multiply topt bottom sume # so deronningtor match

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