

**lesson practice b 9 9 the quadratic formula and the** - lesson 9 9 practice b the quadratic formula and the discriminant solve using the quadratic formula  $1x^2 + 2x + 12 = 0$   $2x^2 + 13 = 5$  find the number of real solutions of each equation using the discriminant  $5x^2 + 25 = 0$   $6x^2 + 11x + 28 = 0$   $7x^2 + 8x + 16 = 0$  no real solutions 2 1 solve using any method  $8x^2 + 8x + 15 = 0$   $9x^2 + 49 = 0$  3 5 7 7 10 6 x 2, **lesson practice a the quadratic formula and the discriminant** - lesson 9 9 practice a the quadratic formula and the discriminant solve using the quadratic formula  $1x^2 + 24x + 623 = 0$  find the number of real solutions of each equation using the discriminant  $5x^2 + 13x + 15 = 0$   $6x^2 + 10x + 125 = 0$   $7x^2 + 6x + 75 = 0$   $b^2 - 4ac = 53$   $2^2 - 4(1)(5) = 2^2 - 20 = 16 - 20 = -4$   $5^2 - 4(1)(25) = 25 - 100 = -75$  0 no real solutions 1 2, **lesson 9 9 problem solving the quadratic formula and the** - lesson 9 9 problem solving the quadratic formula and the discriminant answers using the discriminant find the number of solutions of each equation using the discriminant round to the nearest foot | pg x3 skip 21 54 add 23 53, **9 5 solving quadratic equations using the quadratic formula** - the expression  $b^2 - 4ac$  in the quadratic formula is called the discriminant because the discriminant is under the radical symbol you can use the value of the discriminant to determine the number of real solutions of a quadratic equation and the number of x intercepts of the graph of the related function, **lesson problem solving 9 9 the quadratic formula and the** - 9 9 the quadratic formula and the discriminant 1 theo s flying disc got stuck in a tree 14 feet from the ground theo threw his shoe up at the disc to dislodge it the height in feet h of the shoe is given by the equation  $h = 16t - 2.25t^2 + 6$  where t is the time in seconds determine whether the shoe hit the disc use the discriminant to explain your answer, **name date period 9 5 skills practice** - name date period lesson 9 5 chapter 9 31 glencoe algebra 1 skills practice solving quadratic equations by using the quadratic formula solve each equation by using the quadratic formula round to the nearest tenth if necessary  $1x^2 + 49 = 0$   $7x^2 + 2x + 20 = 0$   $4.5x^2 + 5x + 36 = 0$   $4.9x^2 + 11x + 30 = 0$   $6.5x^2 + 7x + 30 = 0$  5 6 5 6, **lesson 8 using the discriminant algebra class e course** - lesson 8 using the discriminant answer key directions for each equation below use the discriminant to determine the best method for solving the equation then give all possible solutions  $12x^2 + 2x + 0 = 0$  this equation is already set equal to 0 so the values a 2 y 2 3y 8 2 re as follows a 12 b 2 c 2, **discriminant worksheet pdf with answer key quadratic** - given the graph below determine a the sign of the discriminant b the number and nature of the roots find the discriminant to determine the number and nature of the roots of the equation  $x^2 + 7x + 6 = 0$  find all the values of a such that  $ax^2 + 5x + 3 = 0$  has two real roots, **finding and using the discriminant worksheets** - guided lesson you want to know how overlooked this concept ms word marks the word discriminant as a misspelling in all contexts guided lesson explanation breaking down parts of the quadratic formula does make it seem less obtrusive practice worksheet it would be nice if they had more standards that broke down a formula so deeply, **notes for lesson 9 9 the quadratic formula and the** - notes for lesson 9 9 the quadratic formula and the discriminant 9 9 1 2 using the quadratic formula last lesson we solved quadratic equation by completing the square if we took the standard form of a quadratic and solved it by completing the square we would have solved it for x that would give us a formula to use for and quadratic equation, **lesson practice a identifying quadratic functions** - lesson 9 1 practice a identifying quadratic functions tell whether each function is quadratic explain  $1x^2 + 12x + 34 = 5y$   $03815242y + 52x^2$  yes yes the second differences are constant it can be written in the form  $y = ax^2 + bx + c$  3 use the table of values to graph  $y = x^2 + 4xy + x^2 + 4x + y^2 + 0.2y^2 + 2.40y$   $11243130y + 0.24404$

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