Quadratic Crossword Puzzle!

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|  |  |  |  |  |  |  |  |  | 3C |  O |  E |  F |  F |  I |  C |  I |  E |  N |  T |  S |  |  |  |  |  | 4D |  |  |  |
|  |  |  |  | 5O |  |  |  |  |  |  |  |  |  |  |  |  |  A |  |  |  |  |  |  | 6Q |  |  I |  |  |  |
|  |  | 7X |  I |  N |  T |  E |  R |  C |  E |  P |  T |  |  |  | 8I |  |  L |  |  |  |  |  |  |  U |  |  S |  |  |  |
|  |  |  |  |  E |  |  |  |  |  |  |  |  |  |  |  M |  |  S |  | 9C |  |  |  |  |  A |  |  C |  |  |  |
|  |  |  |  |  R |  | 10R |  |  |  |  |  | 11N |  |  |  A |  |  O |  |  O |  |  |  |  |  D |  |  R |  |  |  |
| 12P |  |  |  |  E |  |  A |  |  |  |  |  |  O |  |  |  G |  |  L |  |  M |  |  |  |  |  R |  |  I |  |  |  |
|  A |  | 13S |  T |  A |  N |  D |  A | 14R |  D |  F |  O |  R |  M |  |  I |  |  U |  |  P |  |  |  |  |  A |  |  M |  |  |  |
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| **Across****2.** an expression with three terms**3.** what is multiplied to the variable, x**7.** where the line intercepts the x-axis.**13.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=0**16.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, used for parabolas**18.** the solutions to a quadratic equation**19.** A perfect square, for example \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**20.** when a is negative, y-value of vertex, highest point on the parabola**21.** where the axis of symmetry passes through, minimum/maximum in parabola. (written as coordinate)**22.** "c" term in Quadratic Equation**23.** when a is positive, y-value of vertex, lowest point on the parabola**24.** putting the constant on the other side of the equation to make a perfect/factorable trinomial.**25.** y=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ; translations to find vertex | **Down****1.** when the discriminant is positive**4.** y=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ; gives you number of solutions**5.** when the discriminant is 0**6.** a bad boy couldn't decide whether or not to go to a raaaadical house party, he didn't want to be square and miss out on 4 awesome chicks. The party ended at 2 am. (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)**8.** Square root of negative number; \_\_\_\_\_ **9.** a number that includes both a real and imaginary number.**10.** symbol: \_\_\_\_\_\_\_ ; used to find perfect squares (ex. 8x8=64, \_\_\_\_\_\_)**11.** when the discriminant is negative**12.** a point/curved line equidistant to focus/directrix**14.** the solutions to the quadratic formula**15.** f(x) ; in form of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**17.** the x-value of the vertex, line that hits the parabola (line makes parabola symmetrical) |

   Quadratic Function       Parabola       Quadratic Equation       Zeros       Square Root       Complex Number       Completing the Square       Quadratic Formula       discriminant       Vertex       X-intercept       Roots       Axis of Symmetry       Standard Form       Vertex Form       Maximum       Minimum       Trinomial       Radical       No real solutions       Two real solutions       One real solution       Imaginary Number       Coefficients       Constant