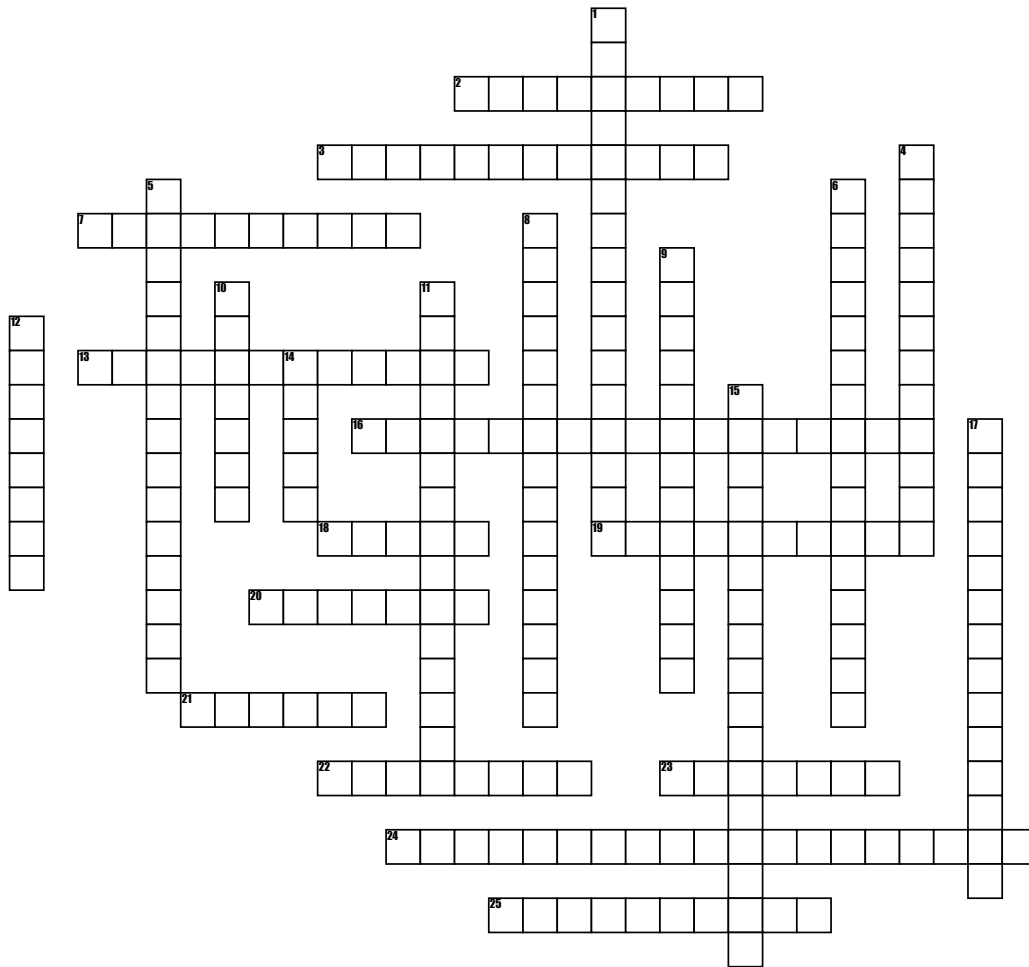# Quadratic Crossword Puzzle!

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)

Word Bank

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