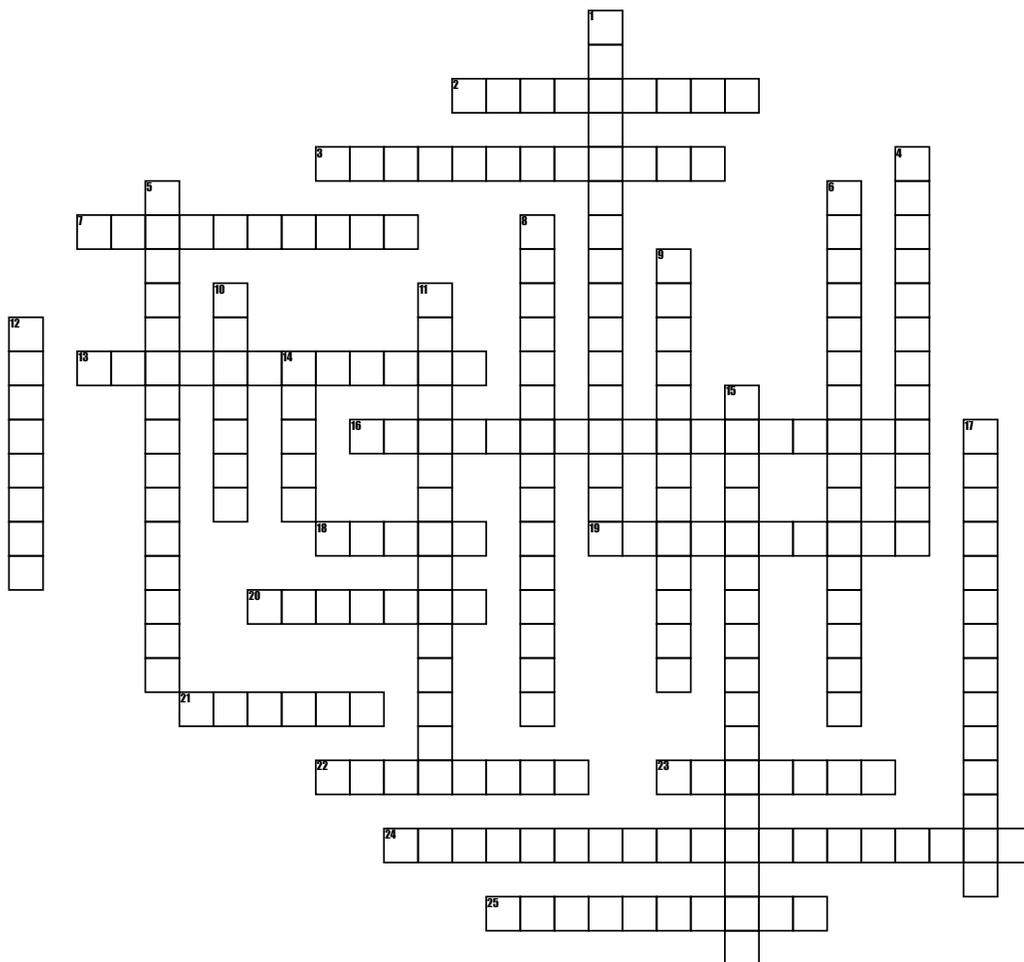


Quadratic Crossword Puzzle!



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. $y = \underline{\hspace{2cm}}$; translations to find vertex
Down
 1. when the discriminant is positive
 4. $y = \underline{\hspace{2cm}}$; 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. $8 \times 8 = 64$, _____)
 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

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