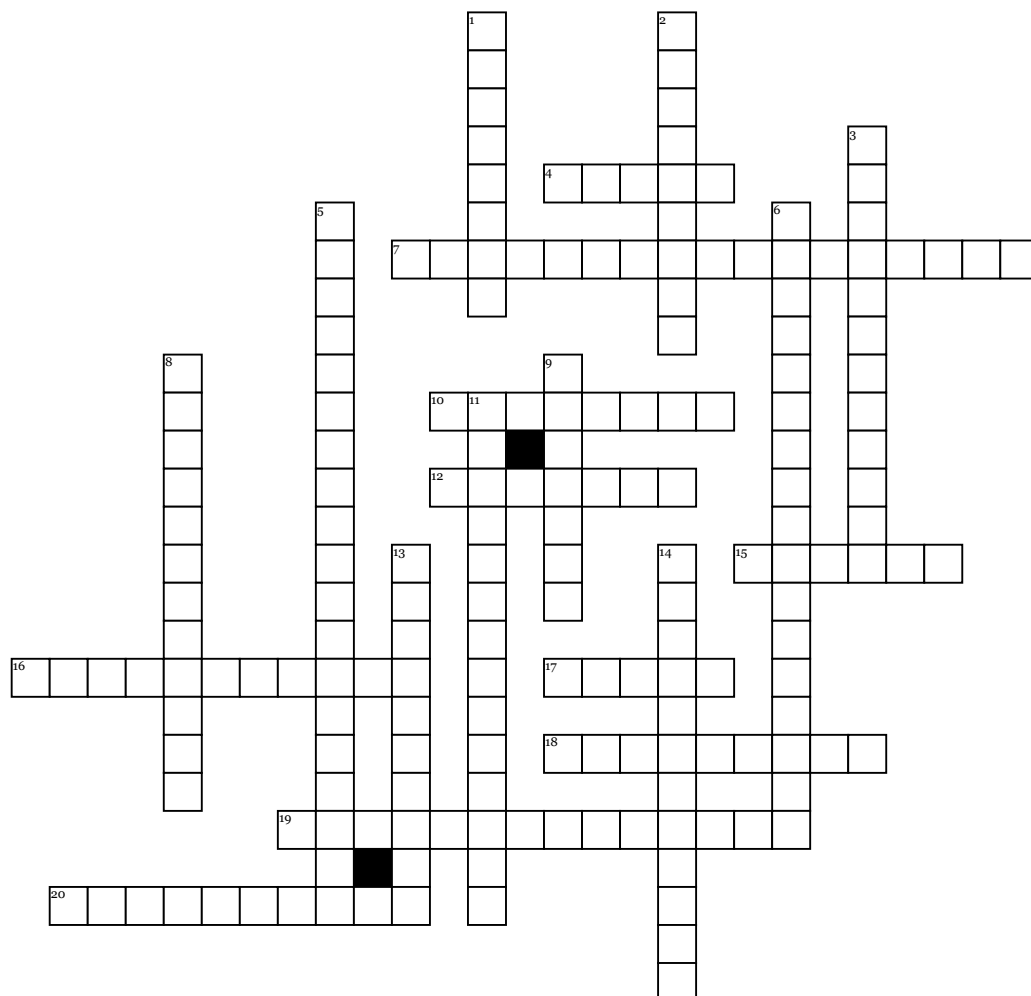


Crossword Connections: Quadratics



Across

- 4.** The roots or the x-intercepts of a quadratic function
7. A function where the largest power for the variable is 2.
10. The shape you get when you graph a quadratic equation (U-Shape)
12. A parabola with a positive x-squared term will have one of these
15. The point of intersection of lines or the point opposite the base of a figure
16. A number used to multiply a variable
17. Solutions to a quadratic equation.
18. A polynomial with three terms

Word Bank

Standard Form
 Parabola
 Coefficient
 Busting the B's
 Y-intercept

Factoring
 Maximum
 Minimum
 Axis of Symmetry
 Binomial

X-intercept
 Zeros
 Vertex
 Completing the Square
 Roots

Quadratic Equation
 Discriminant
 Quadratic Function
 Parent Function
 Trinomial

- 19.** The original function before any transformation is applied
20. The x-values where the parabola intersects the x-axis.

Down

- 1.** A polynomial with two terms
2. The process of finding the factors.
3. $B^2 - 4ac$ also under the radical
5. Changing the form of the equation so that the left side is a perfect square trinomial.
6. An equation with a degree of 2 and in standard form a, b, and c being constant.

- 8.** $ax^2 + bx + c = 0$ with a, b, and c being constants

- 9.** A parabola with a negative x-squared term will have one of these
11. The line that divides the parabola into two parts so that each part is a mirror image.
13. The point where the parabola intersects the y-axis
14. Taking the middle terms and breaking them up.