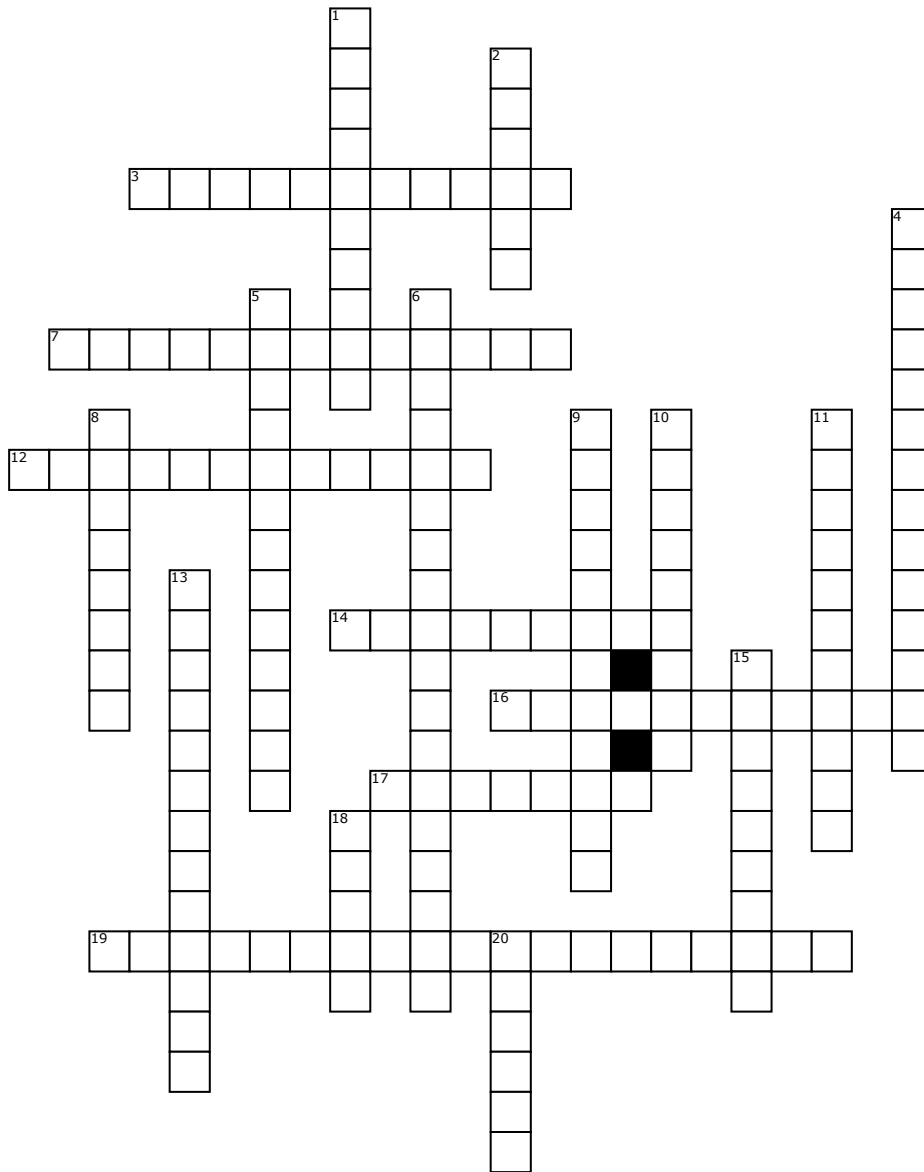


Name: _____

Quadratics



Across

- 3.** a number is a value that, when multiplied by itself, gives the number.
7. denoted and commonly referred to as "i." Although there are two possible square roots of any number
12. $ax^2 + bx + c = 0$
14. Finding what to multiply to get an expression.
16. where the graph crosses the x-axis
17. An expression that has a square root, cube root, etc. The symbol is $\sqrt{}$
19. $ax^2 + bx + c = 0$ turns into $a(x+d)^2 + e = 0$

Down

- 1.** a quadratic function is given by. $f(x) = a(x - h)^2 + k$, where (h, k) is the vertex of the parabola.
2. A point where two or more line segments meet. A corner.
4. a straight line for which every point on a given curve has corresponding to it another point such that the line connecting the two points is bisected by the given line.
5. $y = mx + b$
6. make nice curves
8. a graph of a quadratic function, $y = x^2$, for example.
9. a parameter of an object or system calculated as an aid to its classification or solution.

- 10.** where you change the sign in the middle of two terms

- 11.** a numerical or constant quantity placed before and multiplying the variable in an algebraic expression

- 13.** a number that can be expressed in the form $a + bi$, where a and b are real numbers, and i is the imaginary unit (which satisfies the equation $i^2 = -1$).

- 15.** equation that has three terms which are connected by plus or minus notations.

- 18.** Where a function equals zero.

- 20.** Numbers or quantities arranged in rows and columns