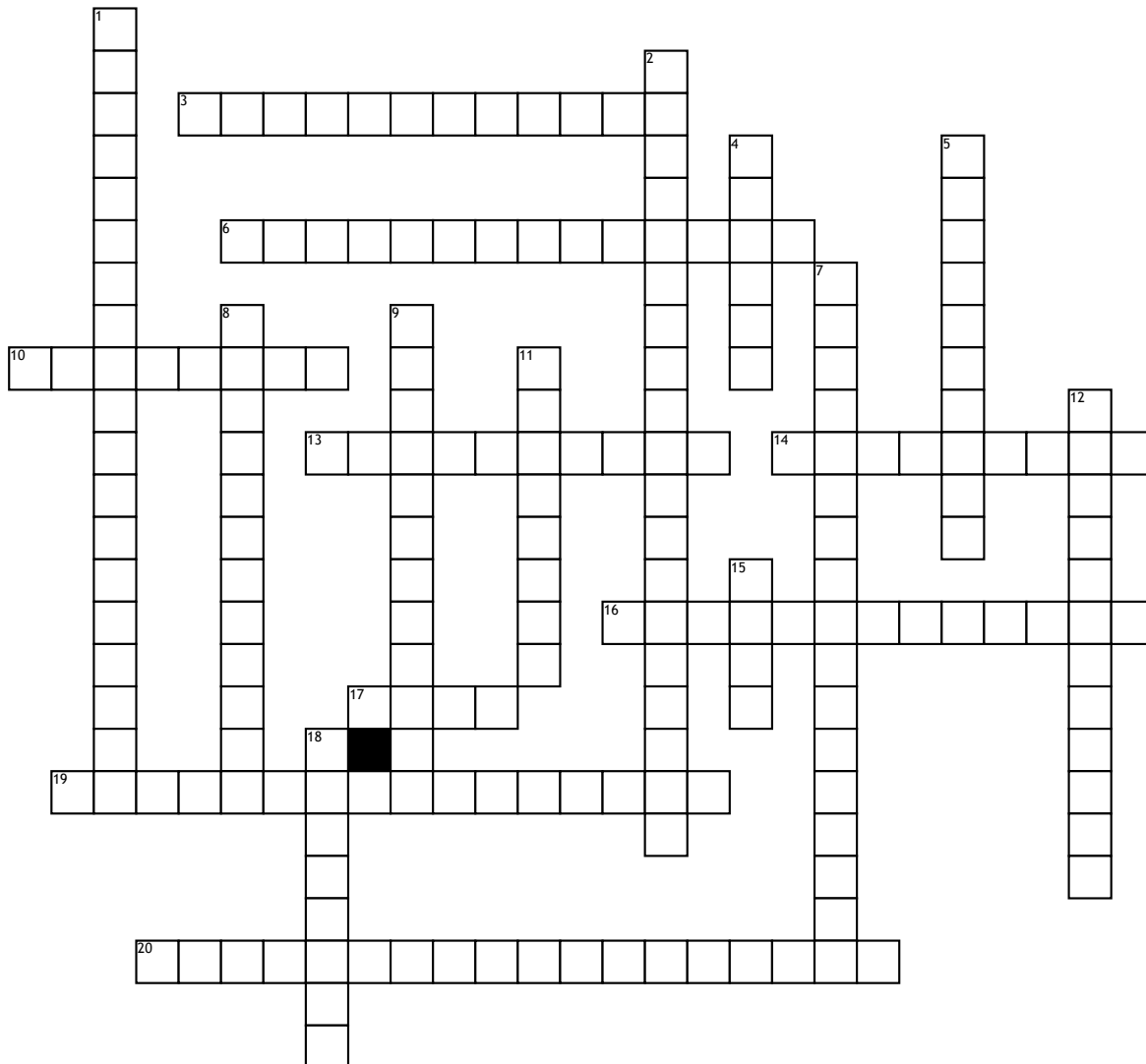


Name: _____

Math Vocabulary



Across

3. The y-coordinate of the vertex of the quadratic function $f(x)=ax^2+bx+c$ when $a<0$

6. A line that the parabola reflects over

10. A polynomial with two terms

13. The x coordinate of a point where the graph crosses the x axis

14. A polynomial with three terms

16. A quadratic function written in the form $f(x)=a(x-p)(x-q)$ where a is not equal to zero

17. The solution of the equation

19. The sum of the exponents of the variables in the monomial

20. The coefficient of the first term of a polynomial written in standard form

Down

1. To add a constant c to an expression of the form x^2+bx+c is a perfect square trinomial

2. The greatest degree of the terms in a polynomial

4. The point where the graph changes direction

5. A quadratic function written in the form $f(x)=a(x-h)^2+k$ where a is not equal to zero

7. A nonlinear equation that can be written in the standard form ax^2+bx+c

8. The y-coordinate of the vertex of the quadratic function $f(x)=ax^2+bx+c$ when $a>0$

9. A polynomial written with the exponents of the terms decreasing from left to right

11. U shaped graph of a quadratic function

12. A polynomial that is written as a product of factors

15. The x value or solution of the function

18. A number, variable, or a product of a number and one or more variables with whole number exponents