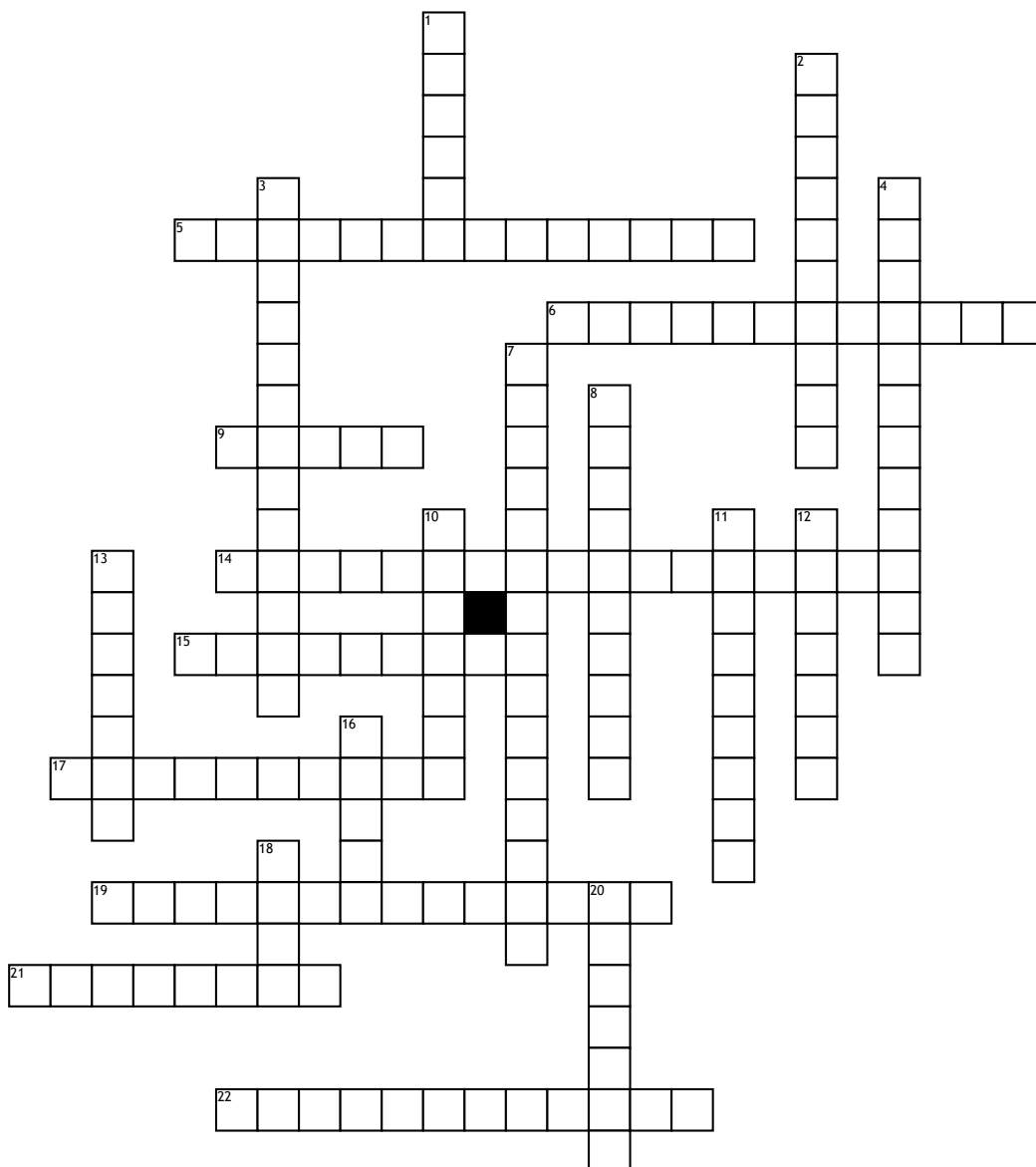


Name: _____

Date: _____

Quadratics Crossword Puzzle Project



Across

5. Numbers based on a number whose square is -1

6. $f(x)=ax^2 + bx + c$ (where 'a' does not equal zero)

9. A representation of ordered pairs showing x-values on the left and y-values on the right

14. The equation for quadratic functions that has a discriminant that can give information on how many solutions the equation has

15. An algebraic expression consisting of three terms

17. $f(x)=a(x-h)^2 + k$ (where 'a' does not equal zero)

19. A line that divides a parabola into two mirror images

21. The type of graph made by a quadratic function

22. The part of the quadratic equation underneath the radical sign

Down

1. Written (h,k); the intersection of the parabola and its axis of symmetry

2. A number that produces a specified quantity when multiplied by itself

3. The term for the complex number whose square is -1

4. Numbers multiplied by a variable in an algebraic equation of expression

7. When simplified, this results in a perfect square trinomial

8. The points of a parabola that lie on the x-axis (the dash doesn't count as a box)

10. They-coordinate of the vertex of a parabola that opens downwards

11. Rewriting an expression as a product of its factors

12. The y-coordinate of the vertex of a parabola that opens upwards

13. The shape of a parabola (the dash does not have a box)

16. The solutions of a quadratic function

18. The use of the distributive property to multiply two binomials

20. The square root sign