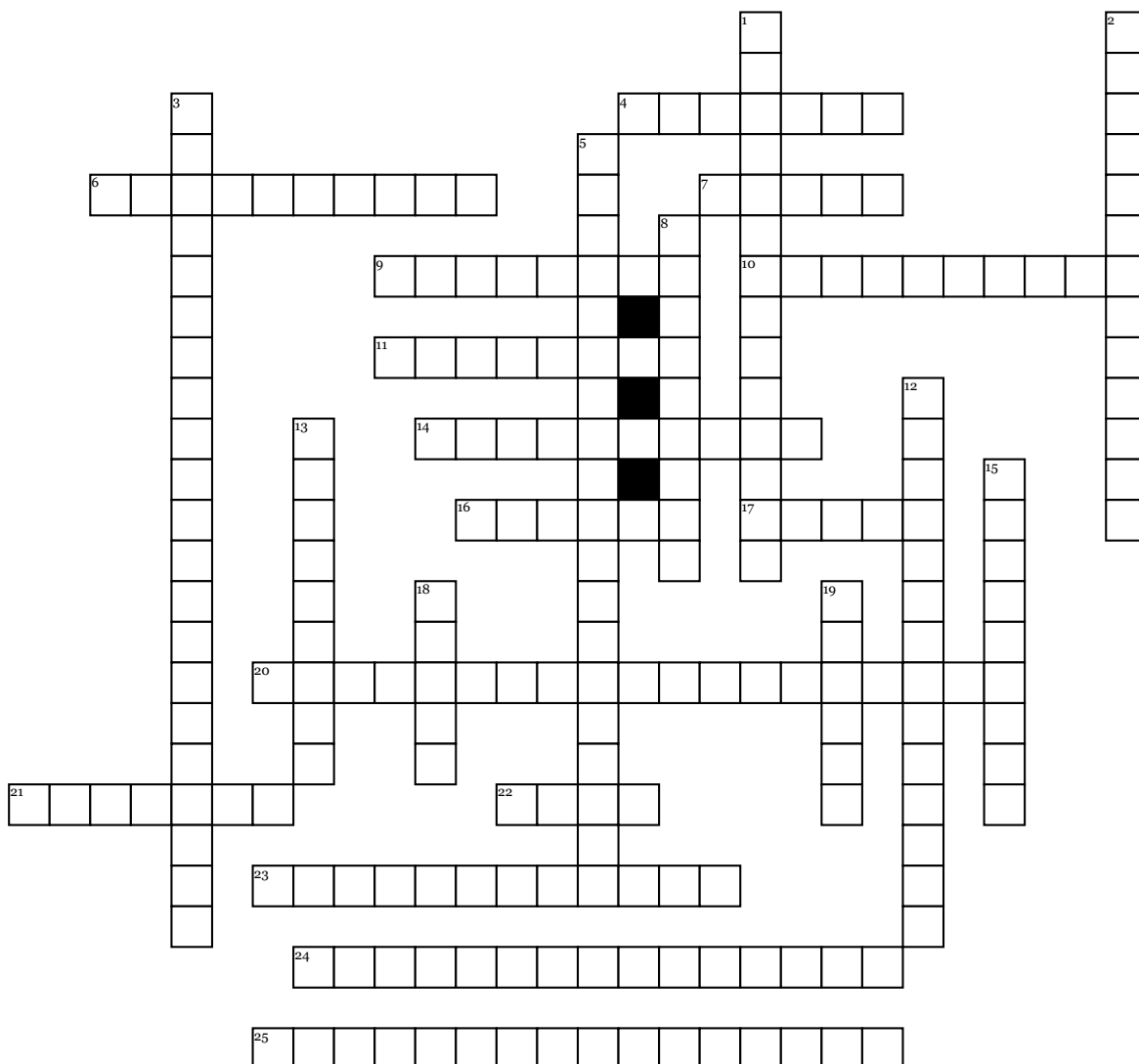


Name: _____ Date: _____ Period: _____

My 3rd Quarter Project



Across

- 4.** a vertex that is the highest point of a parabola
6. is a point on the graph where y is zero
7. the points where the parabola intersects the x-axis
9. the U-shaped curve created by a quadratic equation
10. a number that when multiplied by itself equals a given number
11. aka power tells you how many times to multiply that number by itself
14. is a point on the graph where x is zero

16. the set of all possible x-values which will make the function work

17. all the output values of a function

20. $d=b^2-4ac$

21. a vertex that is the lowest point of a parabola

22. First Inner Outer Last

23. is used to figure out the number of solutions in a quadratic equation

24. a value of x that makes the function's value zero

25. $ax^2+bx+c=0$

Down

1. the line that divides the parabola in half into to equal parts

2. a square of a whole number

3. $x=-b/2a$

5. a function in which an independent variable appears as an exponent

8. the process of finding factors

12. a function in which the graph of the solutions forms a line

13. removing parenthesis by distributing

15. involving the second and no higher power of an unknown quantity or variable

18. an input value that produces an output of zero

19. the turning point of a parabola