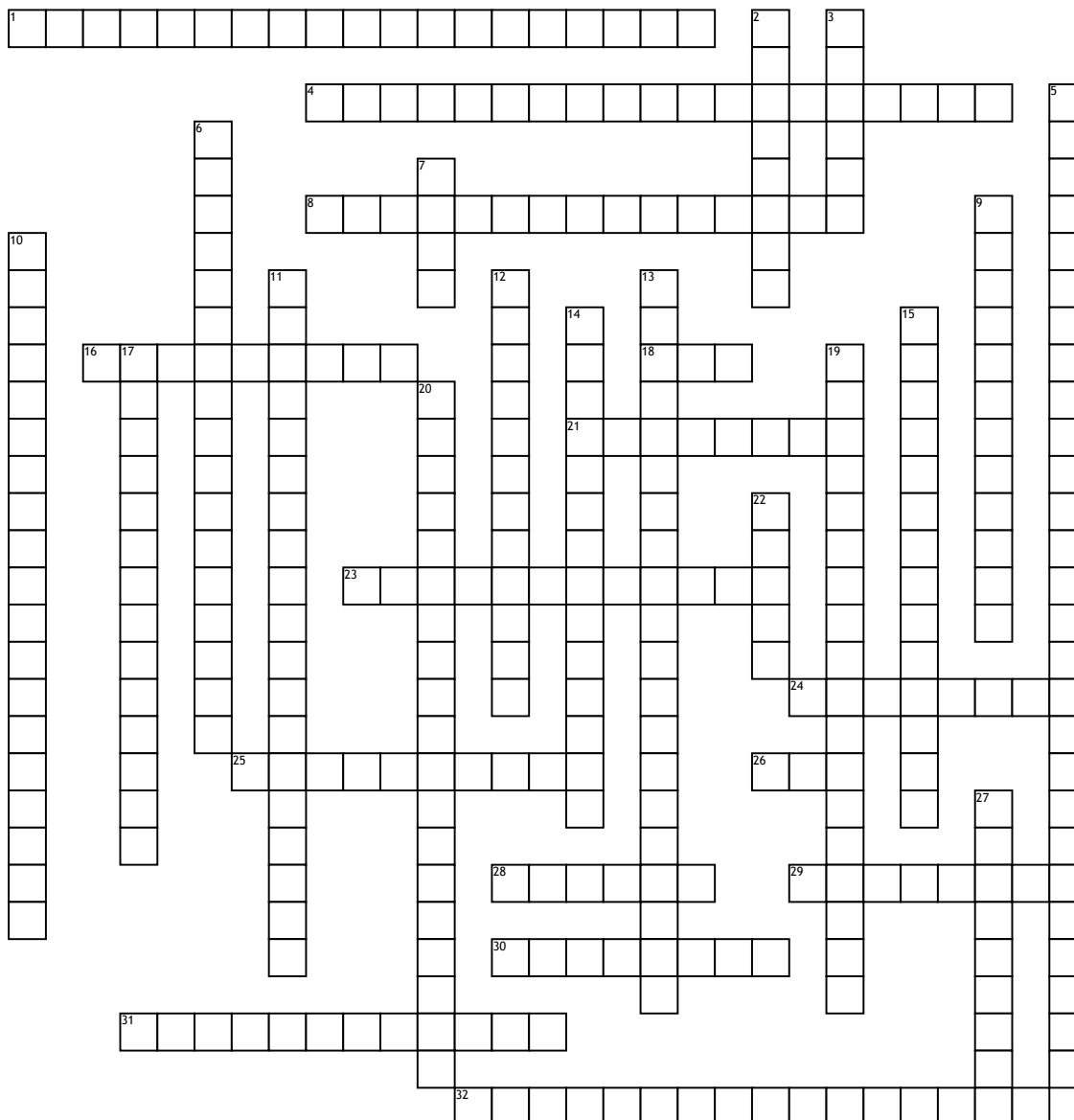


Name: \_\_\_\_\_

# Math 2 Concepts



## Across

1. What is the function where, whose value is constant raised to the power of the argument.
4. This is a process when you group like terms and then simplify through subtraction
8. Another word for the root of a function for a parabola.
16. What is the process of separating an equation or formula?
18. What is the total amount of an equation?
21. What is the name for the graph of a quadratic function?
23. A function of  $y=f(x)$  is \_\_\_\_\_ when  $f(-x)=f(x)$  for each  $x$  in the domain of  $f$ . This graph is symmetric about the  $y$ -axis.
24. The plural form of a vertex.
25. What is it when an algebraic expression consists of several terms?
26. The highest number that divides exactly into two or more numbers
28. What is the point where the lines meet in a quadratic function?

29. What is an algebraic expression of the sum or the difference of two terms?

30. A special relationship where each input has an output.

31. When a quadratic function has a \_\_\_\_\_ this means it has a negative (a).

32. The distance to the \_\_\_\_\_ equals the distance to the directrix.

## Down

2. What is a polynomial with only one term?

3. A complete set of possible values of the independent variable.

5. A factorable polynomial with integer coefficients is \_\_\_\_\_ when it is written as a product of unfactorable polynomials with integer coefficients.

6. What is the function when using:  
 $f(x)=ax^2+bx+c$

7. A formula for distributing two binomials. (First, Outer, Inner, Last)

9. When a quadratic function has a \_\_\_\_\_ this means it has a positive (a).

10. The process where you “unwrap” a polynomial

11. This property states “either  $a = 0$  or  $b = 0$  (or both). A product of factors is zero if and only if one or more of the factors is zero.”

12. What is the form of  $ax^2 + bx + c$  ?

13. What is it when you multiply a sum by multiplying each addend separately and then add the products?

14. This is a process when you group like terms and then simplify through addition.

15. A graph that is a line in the plane.

17. A vertical line that divides the parabola into two congruent halves.

19. the coefficient of the term of highest degree in a given polynomial

20. What is it when you find the highest degree of polynomials individual binomials?

22. The output values of a function.

27. What is it when an algebraic expression consists of 3 terms?