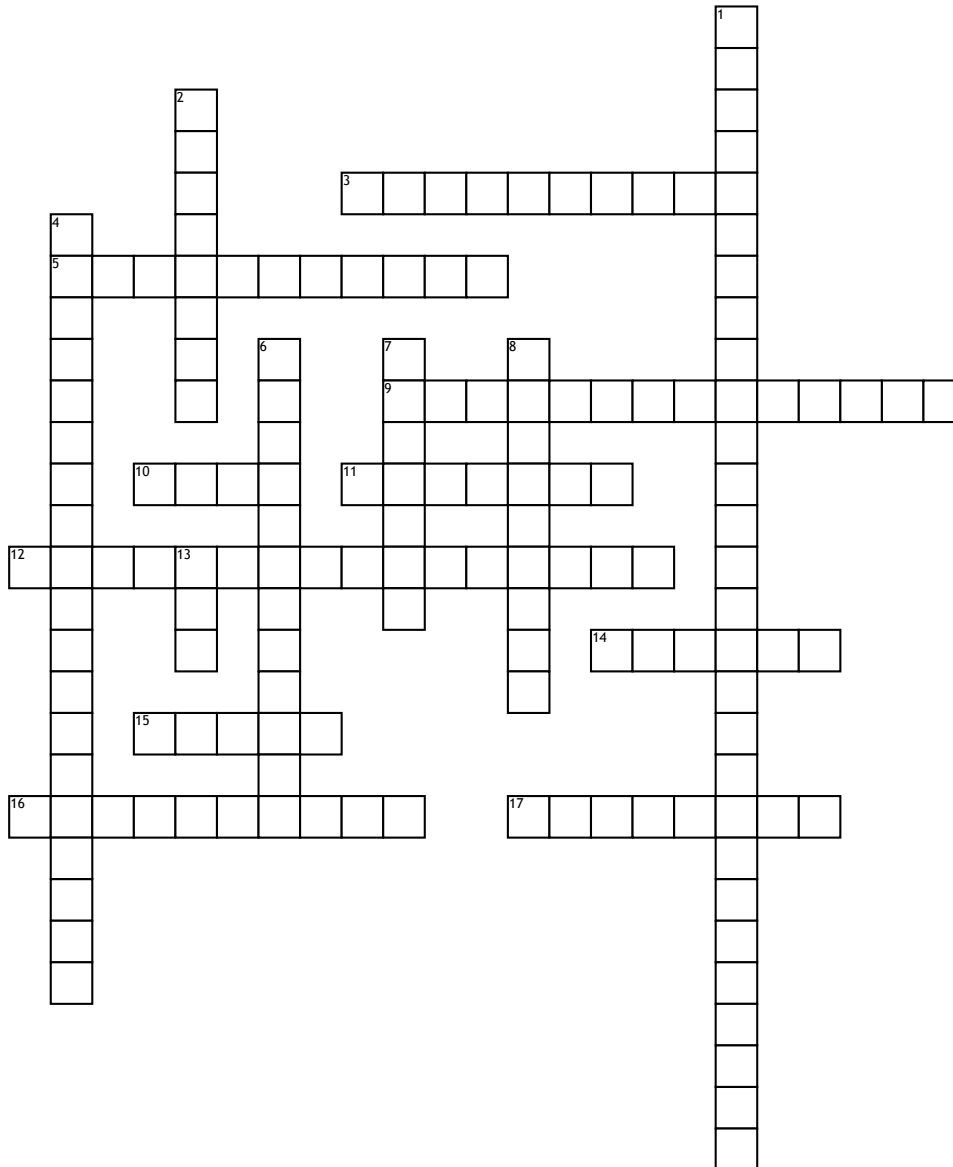


Quadratic Functions and Models



Across

3. A form of a quadratic function that looks like : $f(x)=a(x+h)+k$

5. The power function the graph resembles

9. The verticle line which divides th parabola into two equal parts

10. A zero with _____ multiplicity, the graph touches the x-axis at the zero

11. An upward facing parabola has a vertex also called the _____ value

12. An algebraic fraction that has polynomials in both the numerator and denominator

14. Where the maximum/minimum point of a parabola is located

15. Values that make the function equal zero

16. The sum of monomials

17. The product of numbers and/or variables

Down

1. Most number of turning points a graph of a function can have found by the degree -1

2. The graph of a Quadratic Functionis called a

4. The highest exponent of all the terms compared

6. A form of a quadratic function that looks like : $f(x)=x+bx+c$

7. A downward facing parabola has a vertex also called the _____ value

8. a straight line approached by a given curve as one of the variables in the equation of the curve approaches infinity.

13. A zero with _____ multiplicity, the graph crosses the x-axis at that zero