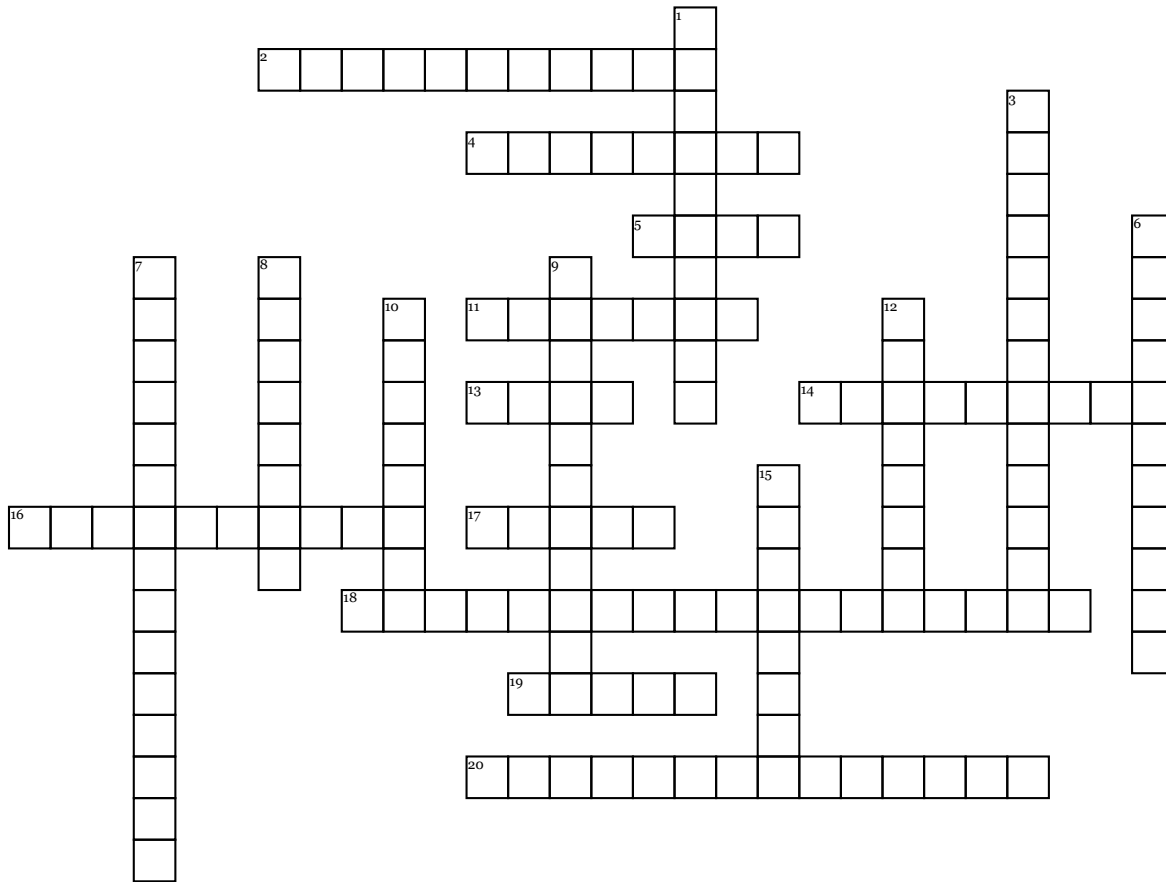


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Algebra Crossword



## Across

- 2.** The number of favorable outcomes divided by the total number of possible events  
**4.** A "U-shaped" graph created from a quadratic function.  
**5.** an average of  $n$  numbers computed by adding some function of the numbers and dividing by some function of  $n$   
**11.** The highest value in a set or on a graph.  
**13.** The point or points where the graph of a quadratic function hits the  $x$ -axis. These are also called zeros.  
**14.** two numbers that are the same distance from zero on a number line, but are in opposite directions. ( $-2$  and  $2$ )

- 16.** When you multiply a number by its multiplicative inverse you get 1.  
**17.** The difference between the highest and lowest scores in a set of data  
**18.**  $y=mx+b$   
**19.** The difference in  $y$  values divided by the difference of  $x$  values. Also known as rise over run.  
**20.** The set of numbers 1, 2, 3, 4, ... Also called counting numbers.

## Down

- 1.** The longest side of a right triangle. This side is across from the right angle.  
**3.** Perpendicular lines have slopes that are negative reciprocals  
**6.** a shift of a graph horizontally, vertically, or both  
**7.** a whole number greater than 1 that has more than two factors

- 8.** linear, quadratic, absolute value, exponential, inequality, etc.  
**9.** A function that creates a "J-curve"  
**10.** Two lines that have the same slope  
**12.** a mathematical notation indicating the number of times a quantity is multiplied by itself  
**15.** a relation where each number in the domain is paired with exactly one number in the range.