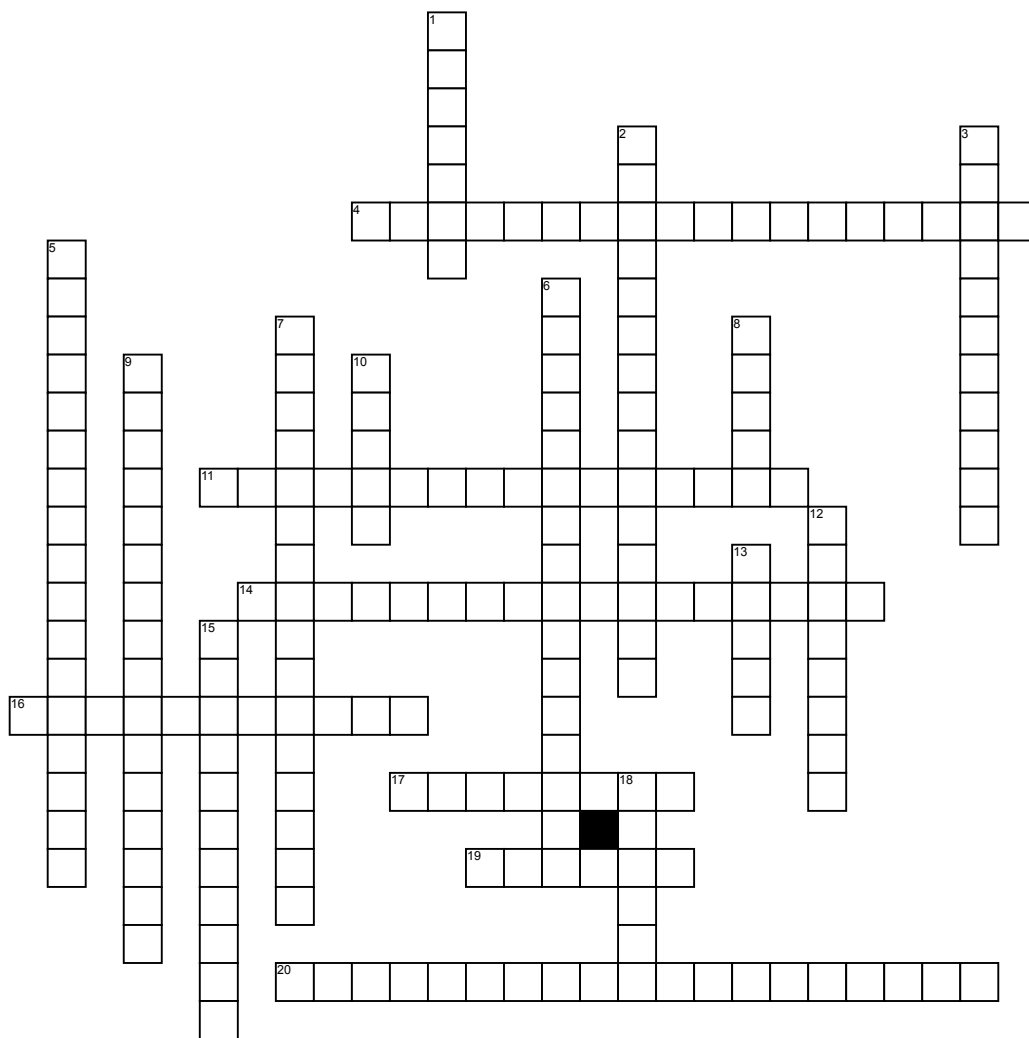


Functions



Across

- 4.** a function that can be graphed with a line or a smooth curve
11. if any vertical line passes through no more than one point on the graph of a relation, then the relation is a function
14. the variable in relation with a value that depends on the value of the independent variable
16. the second number in an ordered pair
17. a relation in which each element of the domain is paired with exactly one element of the range
19. the set of the first numbers of the ordered pairs in a relation

Word Bank

Nonlinear Function
 Mapping
 Independent Variable
 Relation
 Vertical Line Test

Function
 Coordinate Plane
 Continuous Function
 Domain
 Origin

Coordinate System
 Discrete Function
 x-axis
 Function Notation
 Range

Dependent Variable
 Ordered Pair
 y-axis
 x-coordinate
 y-coordinate

- 20.** the variable in a function with a value that is subject to choice

Down

- 1.** illustrates how each element of the domain is paired with an element in the range
2. the plane containing the x- and y-axes
3. the first number in an ordered pair
5. a function with a graph that is not a straight line
6. the grid formed by the intersection of two number lines, the horizontal axis and the vertical axis

- 7.** a function of points that are not connected
8. the vertical number line on a coordinate plane
9. a way to name a function that is defined by an equation
10. the horizontal number line on a coordinate plane
12. a set of ordered pairs
13. the set of second numbers of the ordered pairs in a relation
15. a set of numbers or coordinates used to locate any point on a coordinate plane, written in the form (x,y)
18. the point where the two axis intersect at their zero points