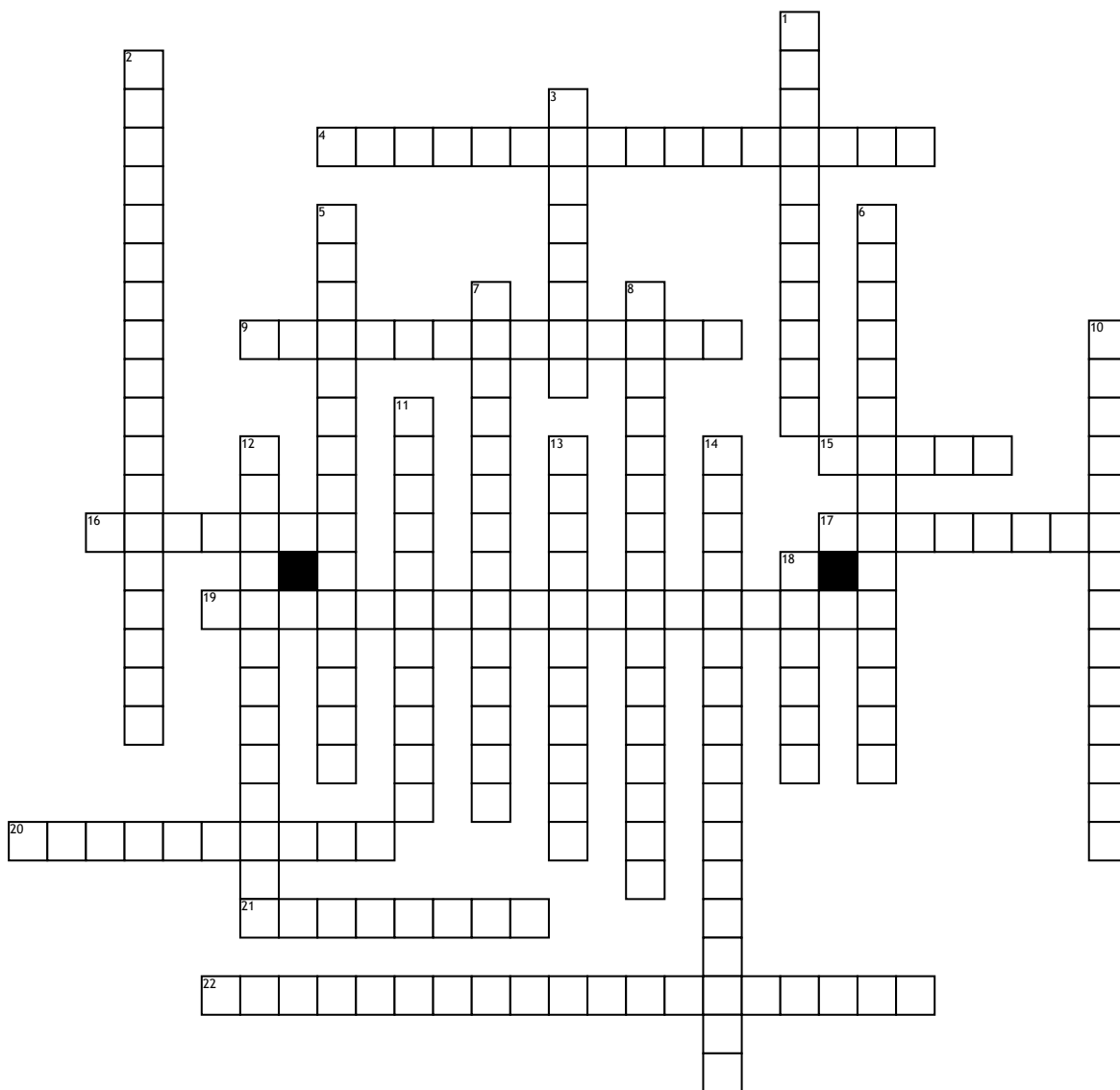


Name: _____ Date: _____ Period: _____

Algebra Crossword



Across

4. A test used to determine whether a relation is a function by checking if a vertical line touches 2 or more points on the graph of a relation
9. Lines in the same plane that do not intersect
15. the limits of the values a function can take
16. a set with no elements shown by the symbol $\{\}$ or a circle with a line going through it
17. All whole numbers (both positive and negative) and zero.
19. an equation written in the form $y=mx+b$ is in slope-intercept form. The graph is a line with slope m and y -intercept b .
20. A statement that compares two quantities using $<$, $>$, \leq , \geq , or \neq

21. a mathematical notation indicating the number of times a quantity is multiplied by itself

22. A mathematical phrase involving at least one variable and sometimes numbers and operation symbols.

Down

1. a graph with points plotted to show a possible relationship between two sets of data
2. two or more inequalities that are connected by the words AND or OR
3. A symbol (like x or y) that is used in mathematical or logical expressions to represent a variable quantity
5. A plane that is divided into four regions by a horizontal line called the x -axis and a vertical line called the y -axis.
6. numbers that can be written as fractions, including terminating and repeating decimals, and integers

7. The y value, because it depends on the value of x

8. x value, because y depends on the x value

10. $y-y_1 = m(x-x_1)$, where m is the slope and (x_1, y_1) is the point the line is passing through.

11. The numerical factor when a term has a variable

12. The distance a number is from zero on a number line

13. A pair of numbers that can be used to locate a point on a coordinate plane

14. Numbers that cannot be expressed as a ratio of two integers. Their decimal expansions are nonending and nonrepeating.

18. the set of values of the independent variable for which a function is defined