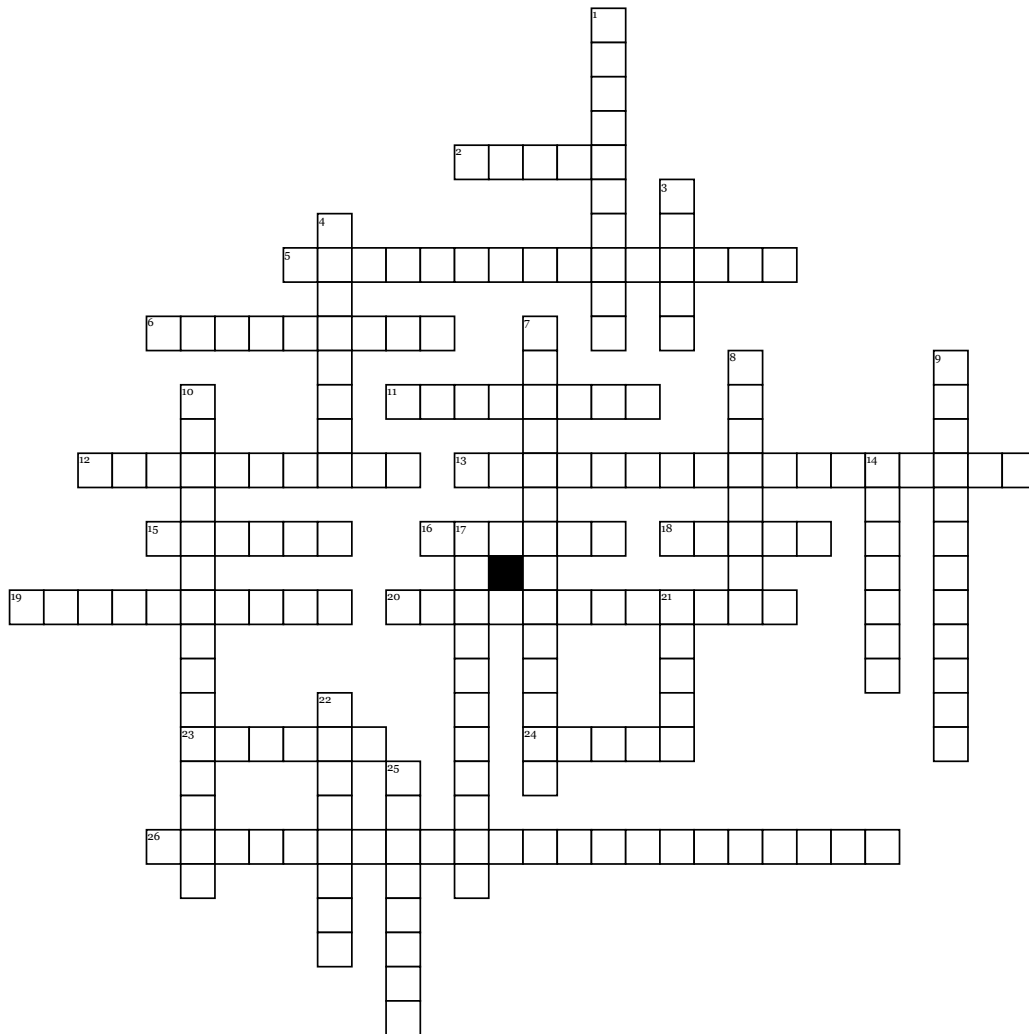# ALGEBRA 1 CROSSWORD PUZZLE

Across

2. Another name for gradient.
5. A pair of numbers that describe the position of a point on a coordinate plane by using the horizontal and vertical distances from the two reference axes.
6. A set of ordered pairs.
11. Any defined procedure or rule that can turn or map each member of one set into a member of another set.
12. The value of x when a given curve crosses the x-axis.
13. A number that cannot be expressed as a fraction.
15. The set of all possible input values for a function or relation.
16. A number as distinguished from a vector or matrix.
18. A geometric object that has no dimension and is used to indicate a location.
19. Find the value of an algebraic expression by replacing the variable(s) with the correct numerical value(s) to perform the operation.
20. >, >, <, and <

23. A set of quantities or objects arranged in rows and columns to form a rectangular array, usually enclosed in parentheses.
24. The set of all possible values for the output of the function.
26. $(x - 1)2 + (y - 2)2 = 32$

Down

1. The value of y when a given curve crosses the y-axis.
3. The collection of all points whose coordinates satisfy a given relation, which shows the relationship between different quantities.
4. Denotes a number or quantity that is greater than zero.
7. A positive whole number.
8. Denoting a number or quantity that is less than zero.
9. A set of two numbers arranged in a particular order.
10. A number that can be written as a fraction, or as finite or repeating decimals.
14. A rule that can convert each member of one set into a unique member of another set.
17. 4xy

21. A chart that organizes data in rows and columns to show facts and figures.
22. To reduce a fraction to its lowest terms by canceling to the lowest common factor for both numerator and denominator or to condense an algebraic expression by grouping and combining similar terms.
25. Any whole number and/or the additive inverse of a whole number is an integer.

Word Bank

MATRIX	NATURAL NUMBERS	COEFFICIENT	ORDERED PAIRS
INTEGERS	SLOPE	POSITIVE	TABLE
RELATIONS	SCALAR	SIMPLIFY	POINT
RATIONAL NUMBERS	IRRATIONAL NUMBERS	FUNCTION	RANGE
DOMAIN	INEQUALITIES	TRANSLATING EXPRESSIONS	X-INTERCEPT
MAPPING	NEGATIVE	COORIDNATE PAIRS	EVALUATING
Y-INTERCEPT	GRAPH		