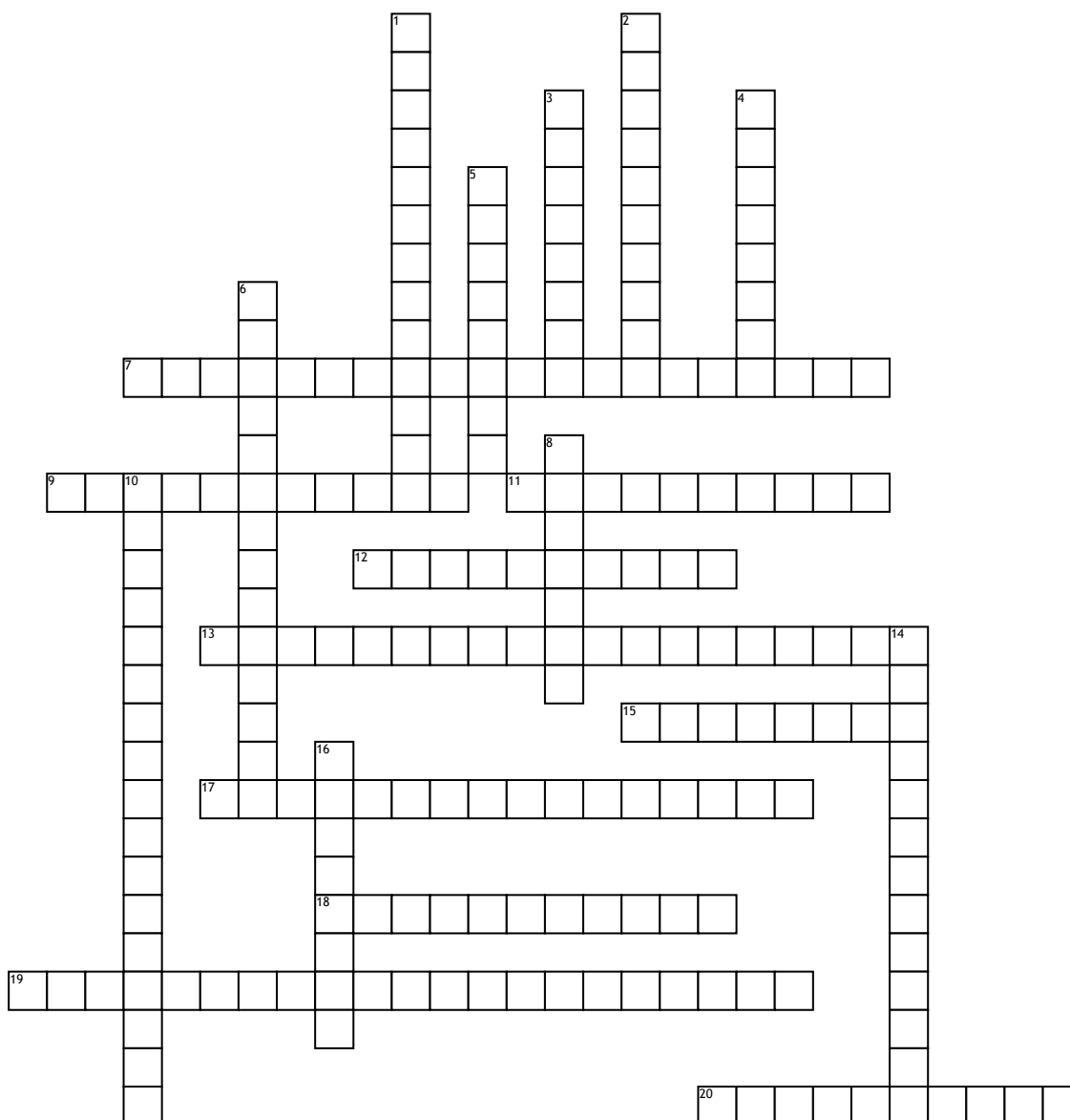


Name: \_\_\_\_\_

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

Period: \_\_\_\_\_

# Algebra 1 Chapter 1 Vocabulary



## Across

7. For every real number  $a$ ,  $b$ , and  $c$ .

9. The nonnegative integers.

11. A mathematical sentence that compares the values of two expressions using an inequality symbol.

12. A number  $a$  such that  $a^2=b$ . The square root of  $b$  is the principal square root. - square root of  $b$  is the negative square root.

13. A mathematical phrase involving numbers and operation symbols, but no variables.

15. A number that shows repeated multiplication.

17. A number that cannot be written as a ratio of two integers. Irrational numbers in decimal form are nonterminating and nonrepeating.

18. The numerical factor when a term has a variable.

19. Algebraic expressions that have the same value for all values of the variables.

20. Given a nonzero rational number  $a/b$ , the reciprocal, or multiplicative inverse, is  $b/a$ . The product of a nonzero number and its reciprocal is 1.

## Down

1. Numbers whose square roots are integers.

2. A number that is either rational or irrational.

3. A symbol, usually a letter, that represents one or more numbers.

4. A number that is the same distance from zero on the number line as a given number, but lies in the opposite direction.

5. A mathematical sentence that uses an equal sign.

6. A real number that can be written as a ratio of two integers. Rational numbers in decimal form are terminating or repeating.

8. Whole numbers and their opposites.

10. 1. Perform any operations inside grouping symbols. 2. Simplify powers. 3. Multiply and divide in order from left to right. 4. Add and subtract in order from left to right.

14. The counting numbers.

16. The expression under the radical sign is the radicand.