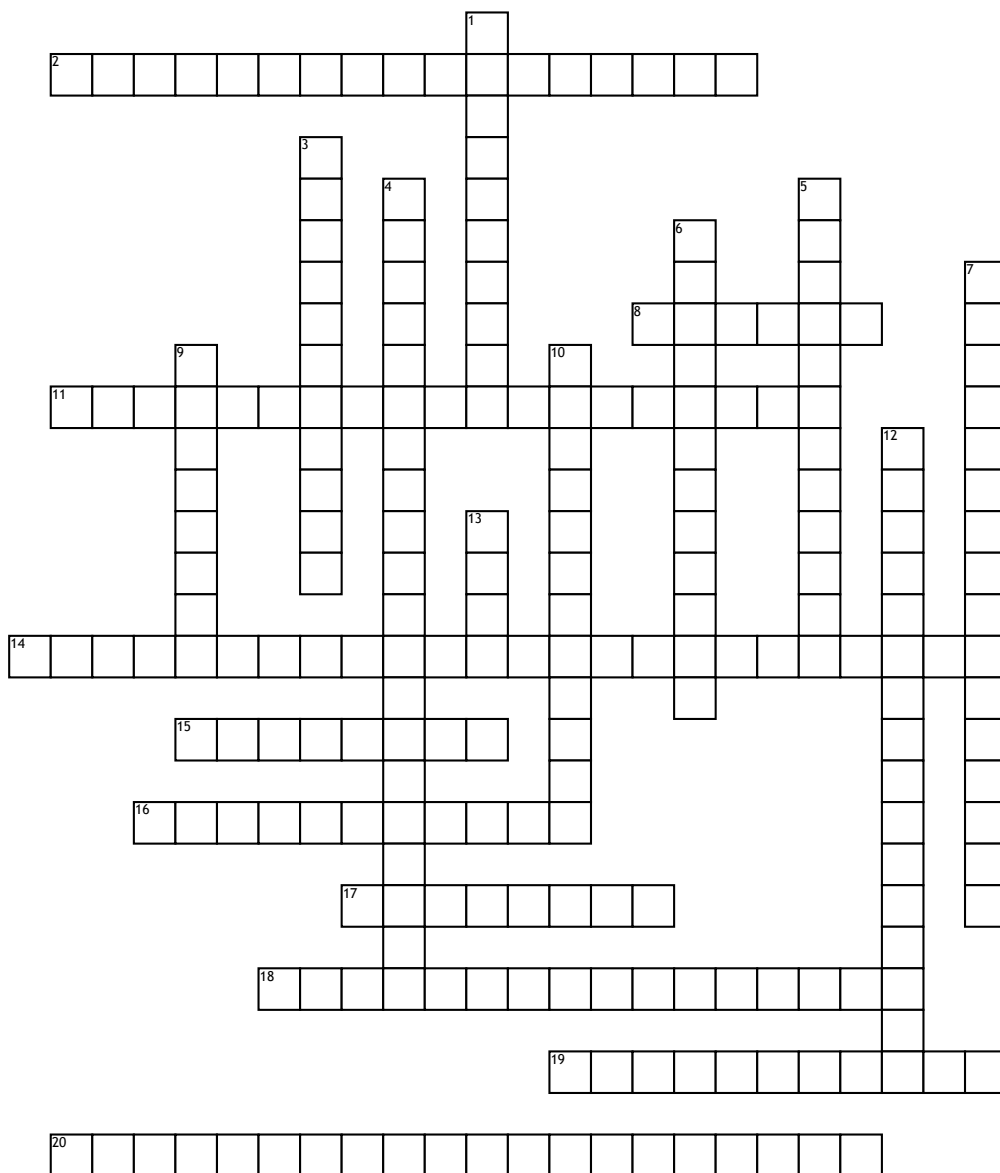


Name: \_\_\_\_\_

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

# Alegbra Chapter 7



## Across

2. a number sequence formed by multiplying a term in a sequence by fixed number too find the next term  
 8. the amount of space that a substance or object occupies or that is enclosed within a container  
 11. A function that repeatedly multiplies an initial amount by the same positive number.  
 14. multiply number in parentheses to exponents. If a number in parentheses has an exponent already, put it under 1 and multiply  
 15. a number that states how many times to multiply a base  
 16. when multiplying 2 powers that have the same base, you can add the exponents

17. a relationship or expression involving one or more variables

18. multiply the exponents to solve this rule

19. 1 minus the percent rate of change, expressed as a decimal, for an exponential decay situation

20. represents both an integer exponent and an nth root

## Down

1. given a nonzero rational number  $a/b$ , the multiplicative inverse, is  $b/a$

3. a variable that represents a quantity that is being manipulated in an experiment

4. Any nonzero number raised to a negative exponent equals its reciprocal raised to 1

5. when you find the factors of two or more numbers, and then find some factors are similar

6. 1 plus the percent rate of change for an exponential growth situation

7. any non zero number that is raised to the power of zero equals 1

9. a number on its own, or sometimes a letter such as a, b, c to stand for a fixed number

10. divided 2 powers with the same base by subtracting the exponents

12. interest paid on both the principal and the interest that has already been paid

13. a number that is multiplied repeatedly and raised to the power