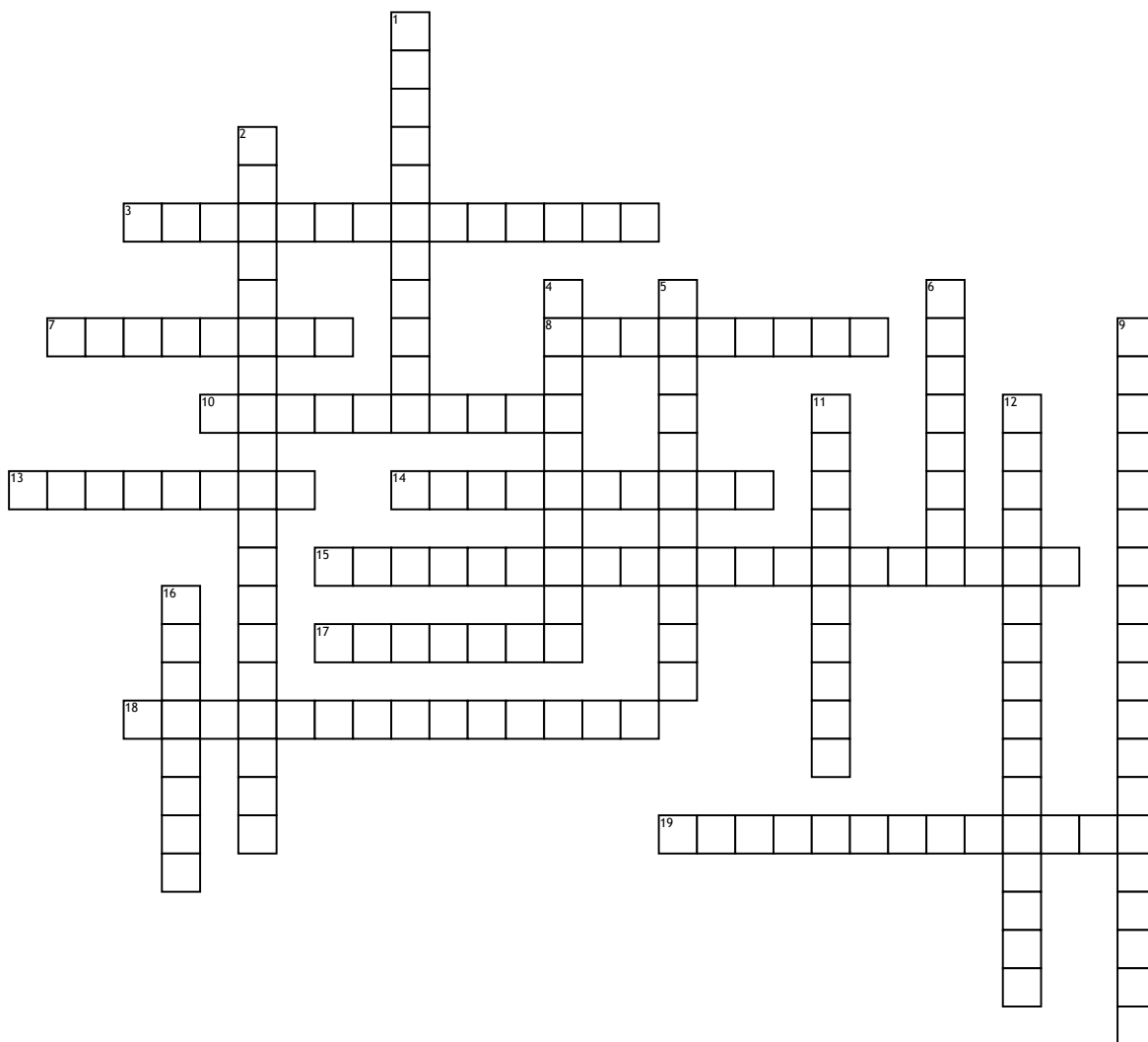# Chapter 4 Vocab

Across

3. The counting of numbers

7. The expression under the radical sign is the

8. A number that shows repeated multiplication

10. given a nonzero rational number a/b the reciprocal or multiplicative of inverse is a/b. The product of a nonzero number and it's reciprocal is one

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

14. mathematical sentence that compares the values of two expressions using inequality symbols

15. for every real number a,b,and c

17. Whole numbers and their opposite

18. Real number that can be written as a ratio of two integers. _____ in decimal form are terminating or repeating

19. Numbers who square root are integers

Down

1. a nonnegative number

2. equations that have the same solution

4. Number that is either rational or irrational

5. The numerical factor when a term has a variable

6. a symbol usually letter that represents one more numbers

9. mathematical phrase involving numbers and operations symbols but no variables

11. A number such as a^2=b. b squared is the principal square root .-b squared is the negative square root

12. Number that cannot be written as a ratio of two integers. _____ in decimal form or not terminating and nonrepeating

16. a mathematical sentence that uses an equal sign