Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_

# Unit 6 Test Review

# Exponents

1. An expression written as ab is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

2. b is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and it represents the number of times a, the

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is used as a factor.

3. Powers represent repeated \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Write as an exponent.**

4. 5. 7 to the 5th power 6.

7. 2 to the 4th power 8. t to the 8th power 9.

**Evaluate the Power.**

10. 11. 12. 13.

**Simplify. Use Positive Exponents.**

14. 15. 16. 17.

**Simplify.**

18. 19. 20. 21.

**Simplify then Evaluate when a=2 and b=1.**

22. 23.

24. 25.

26. 27.

**Write an equation of the line shown in the graph.**

28. 29.



y = y =

**Write an equation of the line with the given slope that goes through the given point. Write the equation in Point-Slope Form.**

30. (6, -1), m =  31. (5, 8), m = 0

**Write the equation in Standard Form.**

32. 33.

34. The slope of a horizontal line is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

35. The slope of a vertical line is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_