Name _____ Date _____

LESSON 1.1

Practice A

For use with pages 2–7

Name the operation indicated by the expression.

1. $19x$ **2.** $5 - b$ **3.** $14 \div m$ **4.** $a + 24$

Evaluate the expression.

5. $y + 7$ when $y = 5$ **6.** $13 - x$ when $x = 2$ **7.** $4a$ when $a = 2.1$

8. $9 + m$ when $m = 8.2$ **9.** $h + 6$ when $h = 1.7$ **10.** $42 \div g$ when $g = 2$

11. $\frac{x}{5}$ when $x = 100$ **12.** $\frac{52}{d}$ when $d = 13$ **13.** $\frac{2}{3} \cdot t$ when $t = 6$

14. $r(8.3)$ when $r = 10$ **15.** $w + \frac{1}{4}$ when $w = \frac{3}{4}$ **16.** $\frac{n}{14}$ when $n = 28$

Write the power in words and as a product.

17. 7^2 **18.** 4^5 **19.** 2^8

Write the power represented by the words or product.

20. $5 \cdot 5 \cdot 5$ **21.** six squared **22.** $x \cdot x \cdot x \cdot x$

Evaluate the power.

23. 3^2 **24.** 2^4 **25.** 1^5

Evaluate the expression.

26. x^2 when $x = 5$ **27.** y^3 when $y = 3$ **28.** m^8 when $m = 1$

29. **Window Treatments** You are ordering custom blinds for your bedroom windows. The ordering instructions are to measure the width of the window in inches and add a half-inch to this measurement. So, the blind width you order is given by the expression $w + 0.5$ where w is the width of your window.

a. One of your windows measures 27 inches wide. What width blind should you order?

b. The other window measures 28.5 inches wide. What width blind should you order?

30. **Skateboarding** A skate park charges $10 per person for an all-day admission to the park. The total cost for n people to go to the park all day is $10n$. Eight friends go to the park on Saturday. What is the total cost of admission?

31. **Geometry** The area of a square with a side length of s is given by the expression s^2. What is the area of the square shown?