

## Lesson 2 ~ Evaluating Expressions

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

Evaluate each expression when  $x = 6$ .

1.  $4x$

2.  $x - 8$

3.  $6x + 7$

4.  $3(x - 5)$

5.  $-5(x - 10)$

6.  $2(x - 1)^2 + 1$

Evaluate each expression for the given values of the variables.

7.  $2x + 3$  when  $x = 4$

8.  $12 - 3d$  when  $d = 2$

9.  $10(y + 5)$  when  $y = -7$

10.  $\frac{5p - 1}{2}$  when  $p = 3$

11.  $6a^2 - 14$  when  $a = 3$

12.  $7m + 1$  when  $m = \frac{1}{2}$

13.  $4(2x + 1) - 5$  when  $x = -2$

14.  $-2y + 3(y - 1)$  when  $y = -1$

State whether each equation is true or false for the values of the variables given.

15.  $2x - 4y = 8$  when  $x = 4$  and  $y = 0$

16.  $3y + 5 = x$  when  $x = 14$  and  $y = 3$

17.  $y = 7 + \frac{1}{4}x$  when  $x = 4$  and  $y = 8$

18.  $3(x + 1) = 6y$  when  $x = -5$  and  $y = -3$

19.  $\frac{1}{2}x + \frac{1}{4}y = 8$  when  $x = 2$  and  $y = 12$