

Lesson 1.2 ~ 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 $y = 12$