Name_____ Date _____

Use the Distributive Property to simplify the expression.

1. $8(a + 6)$

2. $7(p - 5)$

3. $10(9 + 2x)$

4. $12(3f - k)$

5. $6(2 + a + 9)$

6. $9(x + y + 5)$

7. Describe and correct the error in rewriting the expression.

$$\cancel{\times} \quad 6(x + 7) = 6x + 13$$

Simplify the expression.

8. $9(w + 6) + 4$

9. $5(3 + m) - 7$

10. $2m + 7 + 9m$

11. $f + 4(f - 2)$

12. $\dfrac{1}{2}x + \dfrac{3}{8}x + x$

13. $3.1(p - 2.7)$

14. Write and simplify expressions for the area and the perimeter of a rectangle. The rectangle has a width of 5 and a length of $x + 2$.

15. The school office uses r reams of white paper and 3 reams of blue paper every day. Use the Distributive Property to write and simplify an expression for how much paper the school office uses in five days.

Big Ideas Math Green
Resources by Chapter