

0.6 - Distributive Property & Evaluating Expressions

Name: _____

1. Use the distributive property to write an equivalent expression.

$$3(2t + 4v - 8)$$

$$\boxed{6t + 12v - 24}$$

2. Use the distributive property to write an equivalent expression.

$$6(x + 3)$$

$$\boxed{6x + 18}$$

3. Use the distributive property to write an equivalent expression.

$$4(2f - 2g + 3)$$

$$\boxed{8f - 8g + 12}$$

4. Use the distributive property to write an equivalent expression.

$$5(p + 5q)$$

$$\boxed{5p + 25q}$$

5. Rewrite in simplest terms: $-3w - 10(-2w - 4)$

$$\boxed{17w + 40}$$

6. Rewrite in simplest terms:

$$5(-9x + 6y) - 2y - 3(10y - 5x)$$

$$\boxed{-30x - 2y}$$

7. Rewrite in simplest terms:

$$7(-5s + 6) + 8(6s - 1)$$

$$\boxed{13s + 34}$$

8. Rewrite in simplest terms: $-2v - 4(-7v - 2)$

$$\boxed{26v + 8}$$

9. Rewrite in simplest terms:

$$-5(-7r - 8r - 3) - 9r$$

$$\boxed{66r + 15}$$

10. Rewrite in simplest terms: $-(10a - 6) - 3a$

$$\boxed{-13a + 6}$$