

Notes

11-2-16

Distributive Property

$$x=6 \quad y=4$$

~~simplified~~

$$3(x+y)$$

$$3x + 3y$$

$$3(6+4)$$

$$3(10) = 30$$

$$3(6+4)$$

$$18 + 12 = 30$$

$$8(34)$$

$$8(30+4)$$

$$240 + 32$$

$$272$$

Using the Distributive Property

Simplify each expression.

1) $-6(a + 8)$

2) $4(1 + 9x)$

3) $6(-5n + 7)$

4) $(9m + 10) \cdot 2$

5) $(-4 - 3n) \cdot -8$

6) $8(-b - 4)$

7) $(1 - 7n) \cdot 5$

8) $-6(x + 4)$

9) $5(3m - 6)$

10) $(-6p + 7) \cdot -4$

11) $5(b - 1)$

12) $(x + 9) \cdot 5$