



Distributive Property

$$* a(b+c) = ab + ac$$

Simplify each

$$\text{Ex1) } 3(x + 3)$$

$$\text{Ex2) } -8(y + 2) =$$

$$\text{Ex3) } \frac{1}{2}(2x + 8)$$

$$\text{Ex4) } 2(3x - 5) =$$

$$\text{Ex 5) } -w(5w + 3)$$

$$\text{Ex6) } (6 + n)(-3)$$

$$\text{Ex8) } -7 + 2x + 8 - 5x$$

$$\text{Ex9) } 2 - 7xy - 12 + 15xy$$

$$\text{Ex10) } 5(2x-8) - 6x$$

$$\text{Ex11) } 6(-3x + 2) + 2(6x - 10)$$

$$\text{Ex12) } 15t - (t + 3)$$

$$\text{Ex13) } 12x - (2x - 7) =$$

$$\text{Ex14) } \frac{1}{4}(4x - 8) - (x - 5)$$

$$\text{Ex15) } \frac{2}{5}(10x - 5) - \frac{1}{8}(16x + 24)$$