

## Distributive Property

Simplify using the distributive property.

$$k(6k + 2)$$

$$2h(-8h - 5)$$

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

$$-4x(-7x + 9y - 2)$$

$$2w(-3w + 5)$$

$$-7w(-5 - 4y - 2w)$$

$$-3z(-4p + 6z)$$

$$4p(7n - 9p - 3)$$

$$-5(-6 - 7p)$$

$$-8t(2t + 4q)$$

## Distributive Property

Simplify using the distributive property.

$$k(6k + 2)$$

$$= 6k^2 + 2k$$

$$2h(-8h - 5)$$

$$= -16h^2 - 10h$$

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

$$= -2f^2 - 3f$$

$$-4x(-7x + 9y - 2)$$

$$= 28x^2 - 36xy + 8x$$

$$2w(-3w + 5)$$

$$= -6w^2 + 10w$$

$$-7w(-5 - 4y - 2w)$$

$$= 35w + 28wy + 14w^2$$

$$-3z(-4p + 6z)$$

$$= 12zp - 18z^2$$

$$4p(7n - 9p - 3)$$

$$= 28np - 36p^2 - 12p$$

$$-5(-6 - 7p)$$

$$= 30 + 35p$$

$$-8t(2t + 4q)$$

$$= -16t^2 - 32qt$$