

## Distributive Property (H)

Use the distributive property to simplify each expression.

$$9y(4y + 7)$$

$$(9 + 4y)(-9)$$

$$3(7 - 6d)$$

$$3n(9 + 6n)$$

$$-8(2z - 7)$$

$$d(2d + 5)$$

$$5a(-4 + 3a)$$

$$(3m - 1)(-9)$$

$$(8 - 5r)(-8)$$

$$-7f(-5f + 6)$$

$$6j(-j + 8)$$

$$-6g(6 + 5g)$$

$$-2m(4 + 4m)$$

$$-7r(-6r - 2)$$

$$2w(-4 - 6w)$$

$$r(3 - r)$$

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

$$-6j(8 + 9j)$$

$$a(-5 - 3a)$$

$$-3q(5q - 9)$$

# Distributive Property (H) Answers

Use the distributive property to simplify each expression.

$$9y(4y + 7)$$
  
$$\textcolor{red}{36y^2 + 63y}$$

$$(9 + 4y)(-9)$$
  
$$\textcolor{red}{-36y - 81}$$

$$3(7 - 6d)$$
  
$$\textcolor{red}{-18d + 21}$$

$$3n(9 + 6n)$$
  
$$\textcolor{red}{18n^2 + 27n}$$

$$-8(2z - 7)$$
  
$$\textcolor{red}{-16z + 56}$$

$$d(2d + 5)$$
  
$$\textcolor{red}{2d^2 + 5d}$$

$$5a(-4 + 3a)$$
  
$$\textcolor{red}{15a^2 - 20a}$$

$$(3m - 1)(-9)$$
  
$$\textcolor{red}{-27m + 9}$$

$$(8 - 5r)(-8)$$
  
$$\textcolor{red}{40r - 64}$$

$$-7f(-5f + 6)$$
  
$$\textcolor{red}{35f^2 - 42f}$$

$$6j(-j + 8)$$
  
$$\textcolor{red}{-6j^2 + 48j}$$

$$-6g(6 + 5g)$$
  
$$\textcolor{red}{-30g^2 - 36g}$$

$$-2m(4 + 4m)$$
  
$$\textcolor{red}{-8m^2 - 8m}$$

$$-7r(-6r - 2)$$
  
$$\textcolor{red}{42r^2 + 14r}$$

$$2w(-4 - 6w)$$
  
$$\textcolor{red}{-12w^2 - 8w}$$

$$r(3 - r)$$
  
$$\textcolor{red}{-1r^2 + 3r}$$

$$-9y(-2 + 7y)$$
  
$$\textcolor{red}{-63y^2 + 18y}$$

$$-6j(8 + 9j)$$
  
$$\textcolor{red}{-54j^2 - 48j}$$

$$a(-5 - 3a)$$
  
$$\textcolor{red}{-3a^2 - 5a}$$

$$-3q(5q - 9)$$
  
$$\textcolor{red}{-15q^2 + 27q}$$