

Simplifying Expressions

Name: _____ Score: _____

Simplify the following expressions by using the distributive property rule.

$2(3 + 9x)$

$-2(6n + 3)$

$-2(5 + 3q)$

$-2(-4d - 8)$

$5(y + 3)$

$-6(-2 - 2m)$

$2(3r - 5)$

$-4(v - 4)$

$-3(x - 2)$

$3(-1 - 4b)$

$-3(9u + 5)$

$4(r + 4)$

$3(-5 - 2t)$

$-6(3 + 9k)$

$(-5 + v)2$

$-(5 - 2p)$

$(-f + 4)2$

$3(3 + 2j)$

$2(5 + 5y)$

$3(2g + 3)$

$4(-2f - 6)$

Answers

Simplify the following expressions by using the distributive property rule.

$$2(3 + 9x)$$
$$18x + 6$$

$$-2(6n + 3)$$
$$-12n - 6$$

$$-2(5 + 3q)$$
$$-6q - 10$$

$$-2(-4d - 8)$$
$$8d + 16$$

$$5(y + 3)$$
$$5y + 15$$

$$-6(-2 - 2m)$$
$$12m + 12$$

$$2(3r - 5)$$
$$6r - 10$$

$$-4(v - 4)$$
$$-4v + 16$$

$$-3(x - 2)$$
$$-3x + 6$$

$$3(-1 - 4b)$$
$$-12b - 3$$

$$-3(9u + 5)$$
$$-27u - 15$$

$$4(r + 4)$$
$$4r + 16$$

$$3(-5 - 2t)$$
$$-6t - 15$$

$$-6(3 + 9k)$$
$$-54k - 18$$

$$(-5 + v)2$$
$$2v - 10$$

$$-(5 - 2p)$$
$$2p - 5$$

$$(-f + 4)2$$
$$-2f + 8$$

$$3(3 + 2j)$$
$$6j + 9$$

$$2(5 + 5y)$$
$$10y + 10$$

$$3(2g + 3)$$
$$6g + 6$$

$$4(-2f - 6)$$
$$-8f - 24$$