

Simplify Expressions

Simplify the following expressions.

$$2t(3t + 2) + 5t$$

$$10k + 2k(-8k - 5)$$

$$-m(2m + 3) - 8$$

$$3x - 3x(-7x + 9y - 2)$$

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

$$-5w(-5 - 4y - 2w) - 10w^2$$

$$-2z(-4p + 6z) + 8p$$

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

$$10p + 5(6 + 7p)$$

$$5t^2 - 4t(2t + 4q)$$

Simplify Expressions

Simplify the following expressions.

$$2t(3t + 2) + 5t$$

$$= 6t^2 + 4t + 3t$$

$$= 6t^2 + 7t$$

$$-m(2m + 3) - 8$$

$$= -2m^2 - 3m - 8$$

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

$$= -3w^2 + 5w - 5t$$

$$-2z(-4p + 6z) + 8p$$

$$= 8zp - 12z^2 + 8p$$

$$10p + 5(6 + 7p)$$

$$= 10p + 30 + 35p$$

$$= 30 + 45p$$

$$10k + 2k(-8k - 5)$$

$$= 10k - 16k^2 - 10k$$

$$= -16k^2$$

$$3x - 3x(-7x + 9y - 2)$$

$$= 3x + 21x^2 - 27xy + 6x$$

$$= 21x^2 - 27xy + 9x$$

$$-5w(-5 - 4y - 2w) - 10w^2$$

$$= 25w + 20wy + 10w^2 - 10w^2$$

$$= 25w + 20wy$$

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

$$= -28n + 36p + 12 + 4p$$

$$= -28n + 40p + 12$$

$$5t^2 - 4t(2t + 4q)$$

$$= 5t^2 - 8t^2 - 16qt$$

$$= -3t^2 - 16qt$$