

Corrigé de l'exercice 1

Réduire chacune des expressions littérales suivantes :

$$A = -(-7x + 5) - 5x + 6$$

$$A = 7x - 5 - 5x + 6$$

$$A = 7x - 5x - 5 + 6$$

$$A = (7 - 5)x + 1$$

$$A = 2x + 1$$

$$B = -3x - (-4x + 1) - 10$$

$$B = -3x + 4x - 1 - 10$$

$$B = (-3 + 4)x - 11$$

$$B = x - 11$$

$$C = (9x + 3) - 5 - 8x$$

$$C = 9x + 3 - 8x - 5$$

$$C = 9x - 8x + 3 - 5$$

$$C = (9 - 8)x - 2$$

$$C = x - 2$$

$$D = (x - 4) + 2 + 5x$$

$$D = x - 4 + 5x + 2$$

$$D = x + 5x - 4 + 2$$

$$D = (1 + 5)x - 2$$

$$D = 6x - 2$$

$$E = -10x - (-3x + 4) + 9$$

$$E = -10x + 3x - 4 + 9$$

$$E = (-10 + 3)x + 5$$

$$E = -7x + 5$$

$$F = 5x - (-7x + 10) + 9$$

$$F = 5x + 7x - 10 + 9$$

$$F = (5 + 7)x - 1$$

$$F = 12x - 1$$

Corrigé de l'exercice 2

Réduire chacune des expressions littérales suivantes :

$$A = -(5x - 3) - 9 - 4x$$

$$A = -5x + 3 - 9 - 4x$$

$$A = -5x - 4x + 3 - 9$$

$$A = (-5 - 4)x - 6$$

$$A = -9x - 6$$

$$B = 2x - 2 - (2x + 4)$$

$$B = 2x - 2 - 2x - 4$$

$$B = 2x - 2x - 2 - 4$$

$$B = (2 - 2)x - 6$$

$$B = -6$$

$$C = -7 - (6x - 4) + 7x$$

$$C = -7 - 6x + 4 + 7x$$

$$C = -6x + 7x - 7 + 4$$

$$C = (-6 + 7)x - 3$$

$$C = x - 3$$

$$D = -(x - 5) + 9 + 5x$$

$$D = -x + 5 + 9 + 5x$$

$$D = -x + 5x + 5 + 9$$

$$D = (-1 + 5)x + 14$$

$$D = 4x + 14$$

$$E = (3x + 2) - 8x - 10$$

$$E = 3x + 2 - 8x - 10$$

$$E = 3x - 8x + 2 - 10$$

$$E = (3 - 8)x - 8$$

$$E = -5x - 8$$

$$F = -4x - 10 + (5x - 7)$$

$$F = -4x - 10 + 5x - 7$$

$$F = -4x + 5x - 10 - 7$$

$$F = (-4 + 5)x - 17$$

$$F = x - 17$$

Corrigé de l'exercice 3

Réduire chacune des expressions littérales suivantes :

$$A = (-7x - 6) - 10x - 10$$

$$A = -7x - 6 - 10x - 10$$

$$A = -7x - 10x - 6 - 10$$

$$A = (-7 - 10)x - 16$$

$$A = -17x - 16$$

$$B = -4 - (-4x - 3) + 4x$$

$$B = -4 + 4x + 3 + 4x$$

$$B = 4x + 4x - 4 + 3$$

$$B = (4 + 4)x - 1$$

$$B = 8x - 1$$

$$C = -5x - 6 - (-5x + 6)$$

$$C = -5x - 6 + 5x - 6$$

$$C = -5x + 5x - 6 - 6$$

$$C = (-5 + 5)x - 12$$

$$C = -12$$

$$D = 4 - 9x - (-5x + 9)$$

$$D = -9x + 4 - (-5x + 9)$$

$$D = -9x + 4 + 5x - 9$$

$$D = -9x + 5x + 4 - 9$$

$$D = (-9 + 5)x - 5$$

$$D = -4x - 5$$

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

$$E = -6 - 2x + 2 + 3x$$

$$E = -2x + 3x - 6 + 2$$

$$E = (-2 + 3)x - 4$$

$$E = x - 4$$

$$F = 3 + (x - 2) - 8x$$

$$F = 3 + x - 2 - 8x$$

$$F = x - 8x + 3 - 2$$

$$F = (1 - 8)x + 1$$

$$F = -7x + 1$$

Corrigé de l'exercice 4

Réduire chacune des expressions littérales suivantes :

$$A = 6 - (-9x + 7) - 4x$$

$$A = 6 + 9x - 7 - 4x$$

$$A = 9x - 4x + 6 - 7$$

$$A = (9 - 4)x - 1$$

$$A = 5x - 1$$

$$B = 4 + 5x + (6x - 3)$$

$$B = 5x + 4 + 6x - 3$$

$$B = 5x + 6x + 4 - 3$$

$$B = (5 + 6)x + 1$$

$$B = 11x + 1$$

$$C = -(-5x - 6) - 4 + 7x$$

$$C = 5x + 6 - 4 + 7x$$

$$C = 5x + 7x + 6 - 4$$

$$C = (5 + 7)x + 2$$

$$C = 12x + 2$$

$$D = (3x - 7) + 8 - 6x$$

$$D = 3x - 7 - 6x + 8$$

$$D = 3x - 6x - 7 + 8$$

$$D = (3 - 6)x + 1$$

$$D = -3x + 1$$

$$E = 8x + 5 - (5x - 3)$$

$$E = 8x + 5 - 5x + 3$$

$$E = 8x - 5x + 5 + 3$$

$$E = (8 - 5)x + 8$$

$$E = 3x + 8$$

$$F = -4 - 9x - (-x + 1)$$

$$F = -9x - 4 - (-x + 1)$$

$$F = -9x - 4 + x - 1$$

$$F = -9x + x - 4 - 1$$

$$F = (-9 + 1)x - 5$$

$$F = -8x - 5$$

Corrigé de l'exercice 5

Réduire chacune des expressions littérales suivantes :

$$A = -6x + 4 + (-9x + 9)$$

$$A = -6x + 4 - 9x + 9$$

$$A = -6x - 9x + 4 + 9$$

$$A = (-6 - 9)x + 13$$

$$A = -15x + 13$$

$$B = -(9x + 3) - 4 + 5x$$

$$B = -9x - 3 - 4 + 5x$$

$$B = -9x + 5x - 3 - 4$$

$$B = (-9 + 5)x - 7$$

$$B = -4x - 7$$

$$C = 3 + 7x - (-4x + 8)$$

$$C = 7x + 3 - (-4x + 8)$$

$$C = 7x + 3 + 4x - 8$$

$$C = 7x + 4x + 3 - 8$$

$$C = (7 + 4)x - 5$$

$$C = 11x - 5$$

$$D = (-4x - 8) + 8x + 5$$

$$D = -4x - 8 + 8x + 5$$

$$D = -4x + 8x - 8 + 5$$

$$D = (-4 + 8)x - 3$$

$$D = 4x - 3$$

$$E = -2x - (4x + 1) + 4$$

$$E = -2x - 4x - 1 + 4$$

$$E = (-2 - 4)x + 3$$

$$E = -6x + 3$$

$$F = -5 - (-10x - 9) - 4x$$

$$F = -5 + 10x + 9 - 4x$$

$$F = 10x - 4x - 5 + 9$$

$$F = (10 - 4)x + 4$$

$$F = 6x + 4$$

Corrigé de l'exercice 6

Réduire chacune des expressions littérales suivantes :

$$A = 4 - 8x + (-10x + 1)$$

$$A = -8x + 4 - 10x + 1$$

$$A = -8x - 10x + 4 + 1$$

$$A = (-8 - 10)x + 5$$

$$A = -18x + 5$$

$$B = 10x - 8 + (6x + 8)$$

$$B = 10x - 8 + 6x + 8$$

$$B = 10x + 6x - 8 + 8$$

$$B = (10 + 6)x$$

$$B = 16x$$

$$C = -10x - (x - 8) - 3$$

$$C = -10x - x + 8 - 3$$

$$C = (-10 - 1)x + 5$$

$$C = -11x + 5$$

$$D = -(9x - 3) + 4 - 5x$$

$$D = -9x + 3 + 4 - 5x$$

$$D = -9x - 5x + 3 + 4$$

$$D = (-9 - 5)x + 7$$

$$D = -14x + 7$$

$$E = 3 - (-2x + 6) + 8x$$

$$E = 3 + 2x - 6 + 8x$$

$$E = 2x + 8x + 3 - 6$$

$$E = (2 + 8)x - 3$$

$$E = 10x - 3$$

$$F = -2 - (7x + 1) + 6x$$

$$F = -2 - 7x - 1 + 6x$$

$$F = -7x + 6x - 2 - 1$$

$$F = (-7 + 6)x - 3$$

$$F = -x - 3$$