

Corrigé de l'exercice 1

Réduire chacune des expressions littérales suivantes :

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

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

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

$$A = (-5 - 7)x - 11$$

$$A = -12x - 11$$

$$B = -(8x - 7) + 6 + 8x$$

$$B = -8x + 7 + 6 + 8x$$

$$B = -8x + 8x + 7 + 6$$

$$B = (-8 + 8)x + 13$$

$$B = 13$$

$$C = 8x + 10 + (2x - 9)$$

$$C = 8x + 10 + 2x - 9$$

$$C = 8x + 2x + 10 - 9$$

$$C = (8 + 2)x + 1$$

$$C = 10x + 1$$

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

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

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

$$D = (2 - 8)x + 5$$

$$D = -6x + 5$$

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

$$E = -2x - 2 - 2 - 3x$$

$$E = -2x - 3x - 2 - 2$$

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

$$E = -5x - 4$$

$$F = -8 + 10x - (x + 9)$$

$$F = 10x - 8 - (x + 9)$$

$$F = 10x - 8 - x - 9$$

$$F = 10x - x - 8 - 9$$

$$F = (10 - 1)x - 17$$

$$F = 9x - 17$$

Corrigé de l'exercice 2

Réduire chacune des expressions littérales suivantes :

$$A = (-5x - 8) + 7 - 7x$$

$$A = -5x - 8 - 7x + 7$$

$$A = -5x - 7x - 8 + 7$$

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

$$A = -12x - 1$$

$$B = (-3x + 7) + 2x - 2$$

$$B = -3x + 7 + 2x - 2$$

$$B = -3x + 2x + 7 - 2$$

$$B = (-3 + 2)x + 5$$

$$B = -x + 5$$

$$C = -6 - (10x - 6) + 4x$$

$$C = -6 - 10x + 6 + 4x$$

$$C = -10x + 4x - 6 + 6$$

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

$$C = -6x$$

$$D = -(7x - 1) + 6 + 4x$$

$$D = -7x + 1 + 6 + 4x$$

$$D = -7x + 4x + 1 + 6$$

$$D = (-7 + 4)x + 7$$

$$D = -3x + 7$$

$$E = -6x + 4 - (4x + 8)$$

$$E = -6x + 4 - 4x - 8$$

$$E = -6x - 4x + 4 - 8$$

$$E = (-6 - 4)x - 4$$

$$E = -10x - 4$$

$$F = -6 - (-6x + 6) - 4x$$

$$F = -6 + 6x - 6 - 4x$$

$$F = 6x - 4x - 6 - 6$$

$$F = (6 - 4)x - 12$$

$$F = 2x - 12$$

Corrigé de l'exercice 3

Réduire chacune des expressions littérales suivantes :

$$A = -(9x - 6) + 3x + 7$$

$$A = -9x + 6 + 3x + 7$$

$$A = -9x + 3x + 6 + 7$$

$$A = (-9 + 3)x + 13$$

$$A = -6x + 13$$

$$B = -5 + (3x + 7) + 6x$$

$$B = -5 + 3x + 7 + 6x$$

$$B = 3x + 6x - 5 + 7$$

$$B = (3 + 6)x + 2$$

$$B = 9x + 2$$

$$C = -2 + (-3x + 1) + 6x$$

$$C = -2 - 3x + 1 + 6x$$

$$C = -3x + 6x - 2 + 1$$

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

$$C = 3x - 1$$

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

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

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

$$D = (10 - 5)x + 11$$

$$D = 5x + 11$$

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

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

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

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

$$E = (-4 - 1)x + 12$$

$$E = -5x + 12$$

$$F = -(8x + 10) + 10 + 7x$$

$$F = -8x - 10 + 10 + 7x$$

$$F = -8x + 7x - 10 + 10$$

$$F = (-8 + 7)x$$

$$F = -x$$

Corrigé de l'exercice 4

Réduire chacune des expressions littérales suivantes :

$$A = -(-9x - 6) - 10x + 8$$

$$A = 9x + 6 - 10x + 8$$

$$A = 9x - 10x + 6 + 8$$

$$A = (9 - 10)x + 14$$

$$A = -x + 14$$

$$B = -3 + (-9x + 3) + 2x$$

$$B = -3 - 9x + 3 + 2x$$

$$B = -9x + 2x - 3 + 3$$

$$B = (-9 + 2)x$$

$$B = -7x$$

$$C = -(7x - 6) + 3 - 9x$$

$$C = -7x + 6 + 3 - 9x$$

$$C = -7x - 9x + 6 + 3$$

$$C = (-7 - 9)x + 9$$

$$C = -16x + 9$$

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

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

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

$$D = (5 - 4)x - 14$$

$$D = x - 14$$

$$E = 4x - 4 - (3x + 7)$$

$$E = 4x - 4 - 3x - 7$$

$$E = 4x - 3x - 4 - 7$$

$$E = (4 - 3)x - 11$$

$$E = x - 11$$

$$F = 4x + (6x + 10) - 8$$

$$F = 4x + 6x + 10 - 8$$

$$F = (4 + 6)x + 2$$

$$F = 10x + 2$$

Corrigé de l'exercice 5

Réduire chacune des expressions littérales suivantes :

$$A = 2 - (-2x + 9) - 3x$$

$$A = 2 + 2x - 9 - 3x$$

$$A = 2x - 3x + 2 - 9$$

$$A = (2 - 3)x - 7$$

$$A = -x - 7$$

$$B = -(8x - 10) + 7x - 5$$

$$B = -8x + 10 + 7x - 5$$

$$B = -8x + 7x + 10 - 5$$

$$B = (-8 + 7)x + 5$$

$$B = -x + 5$$

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

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

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

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

$$C = 6x - 3$$

$$D = (8x - 8) + 9 + 6x$$

$$D = 8x - 8 + 6x + 9$$

$$D = 8x + 6x - 8 + 9$$

$$D = (8 + 6)x + 1$$

$$D = 14x + 1$$

$$E = -4x - (-8x + 7) - 9$$

$$E = -4x + 8x - 7 - 9$$

$$E = (-4 + 8)x - 16$$

$$E = 4x - 16$$

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

$$F = 3x - 8 - (-8x - 4)$$

$$F = 3x - 8 + 8x + 4$$

$$F = 3x + 8x - 8 + 4$$

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

$$F = 11x - 4$$

Corrigé de l'exercice 6

Réduire chacune des expressions littérales suivantes :

$$A = -(10x - 6) + 10 - 9x$$

$$A = -10x + 6 + 10 - 9x$$

$$A = -10x - 9x + 6 + 10$$

$$A = (-10 - 9)x + 16$$

$$A = -19x + 16$$

$$B = -10 + 8x - (-7x + 9)$$

$$B = 8x - 10 - (-7x + 9)$$

$$B = 8x - 10 + 7x - 9$$

$$B = 8x + 7x - 10 - 9$$

$$B = (8 + 7)x - 19$$

$$B = 15x - 19$$

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

$$C = -4x - 5x - 8 - 4$$

$$C = (-4 - 5)x - 12$$

$$C = -9x - 12$$

$$D = -10x - 3 - (-10x + 9)$$

$$D = -10x - 3 + 10x - 9$$

$$D = -10x + 10x - 3 - 9$$

$$D = (-10 + 10)x - 12$$

$$D = -12$$

$$E = (10x + 4) + 6x - 4$$

$$E = 10x + 4 + 6x - 4$$

$$E = 10x + 6x + 4 - 4$$

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

$$E = 16x$$

$$F = 3 - 9x - (-5x + 7)$$

$$F = -9x + 3 - (-5x + 7)$$

$$F = -9x + 3 + 5x - 7$$

$$F = -9x + 5x + 3 - 7$$

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

$$F = -4x - 4$$