

EXERCICE 1

Réduire les expressions suivantes :

$$A = (x + 3) - (x + 5) - (x - 7)$$

$$A = x + 3 - x - 5 - x + 7$$

$$A = -x + 5$$

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

$$B = -a - 4 - a - 5 + 3 - a$$

$$B = -3a - 6$$

$$C = -(x^2 - x) - (x - 1) - (1 - x^2)$$

$$C = -x^2 + x - x + 1 - 1 + x^2$$

$$C = 0$$

$$D = x^2 - (3x^2 - 5x^2) + (x^2 - 8x^2) - 2x^2$$

$$D = x^2 - 3x^2 + 5x^2 + x^2 - 8x^2 - 2x^2$$

$$D = -6x^2$$

$$E = 9 - (x^2 + 3x^2) - 9x + 7 + (-5x^3 - 7x^3)$$

$$E = 9 - x^2 - 3x^2 - 9x + 7 - 5x^3 - 7x^3$$

$$E = -12x^3 - 4x^2 - 9x + 16$$

$$F = 2x^3 + 4 - (-6x^2 + x^2) - (-2x + 9x) - (3x - 9x)$$

$$F = 2x^3 + 4 + 6x^2 - x^2 + 2x - 9x - 3x + 9x$$

$$F = 2x^3 + 5x^2 - 1x + 4$$

EXERCICE 2

Réduire les expressions suivantes :

$$A = 5x^2 - (3x - 2) + (7x^2 - 6)$$

$$A = 5x^2 - 3x + 2 + 7x^2 - 6$$

$$A = 12x^2 - 3x - 4$$

$$B = -(4 + 3x - 2x^2) - (4x - x^2) - (x^2 - x)$$

$$B = -4 - 3x + 2x^2 - 4x + x^2 - x^2 + x$$

$$B = 2x^2 - 6x - 4$$

$$C = -(8x^2 + 7x) - (3 + 4x^2) - 9x + 11$$

$$C = -8x^2 - 7x - 3 - 4x^2 - 9x + 11$$

$$C = -12x^2 - 16x + 8$$

$$D = -4x + x^2 - (6 + 5x^2) + 3x - (10 - 8x^2) + 2x$$

$$D = -4x + x^2 - 6 - 5x^2 + 3x - 10 + 8x^2 + 2x$$

$$D = 4x^2 + x - 16$$