

EXERCICE 1 :

Développer, puis réduire, si possible, chaque expression :

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

$$B = -7y^2(-5 - 2y^2)$$

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

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

$$E = (4 - a)^2$$

$$F = (2x + 3)^2$$

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

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

$$I = -3(a^2 + 2) - (a - 3)(2a + 7)$$

$$J = 4 - (2x + 1)^2$$

EXERCICE 2 :

Factoriser chaque expression :

$$A = 9x^2 - 5x$$

$$B = 6x + 9$$

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

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

$$E = (3x - 1) - (3x - 1)^2$$

$$F = x^2 + 8x + 16$$

$$G = 4 - x^2$$

$$H = 9x^2 - 30x + 25$$

$$I = 25 - 36a^2$$

$$J = (4x - 3)^2 - 1$$