

Factorisations (Exercices)

Exercice 1

Factoriser chaque expression

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

$$B = 6x + 9$$

$$C = 4x^2 + 8x - 2$$

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

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

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

Exercice 2

Factoriser chaque expression

$$A = 4 - x^2$$

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

$$C = 49x^2 - 1$$

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

Exercice 3

Factoriser chaque expression

$$A = (3x - 8)(-x + 9) + (3x + 3)(-x + 9)$$

$$B = (4x - 9)(x - 3) + (4x - 9)(7x + 4)$$

$$C = 36x^2 - 25$$

$$D = 7x + 7 + (7x + 7)(6x + 5)$$

$$E = (8x - 9)(7x + 5) + 7x + 5$$

$$F = 1 - 81x^2$$

$$G = (9x + 3)^2 - 25$$

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

$$I = (-6x - 9)^2 - 49x^2$$

$$J = -4x^2 + 36$$