

# Soutien factorisation

## Ex 1 Complète :

$$A = (2x + 1)(3x + 2) + (2x + 1)(4x + 3)$$

$$A = (2x + 1)[(\dots\dots\dots) + (\dots\dots\dots)]$$

$$A = (2x + 1)[\dots\dots\dots + \dots\dots\dots]$$

$$A = (2x + 1)(\dots\dots\dots)$$

$$B = (2x - 5)(7x - 4) - (3 - 5x)(7x - 4)$$

$$B = (7x - 4)[(\dots\dots\dots) - (\dots\dots\dots)]$$

$$B = (7x - 4)[\dots\dots\dots \dots\dots\dots]$$

$$B = (7x - 4)(\dots\dots\dots)$$

$$C = (x + 3)(2x - 7) + (x + 3)^2$$

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

$$C = (x + 3)[(\dots\dots\dots) + (\dots\dots\dots)]$$

$$C = (x + 3)[\dots\dots\dots + \dots\dots\dots]$$

$$C = (x + 3)(\dots\dots\dots)$$

$$D = (3a + 8)(5a - 1) - 2(3a + 8)$$

$$D = (3a + 8)[(\dots\dots\dots) - \dots\dots]$$

$$D = (3a + 8)[\dots\dots\dots - \dots\dots]$$

$$D = (3a + 8)(\dots\dots\dots)$$

## Ex 2 Factoriser les expressions suivantes :

$$A = (3x + 1)(5x + 3) + (3x + 1)(2x + 2)$$

$$C = (7x - 3)(x + 1) + (7x - 3)(2x + 2)$$

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

$$G = (x - 3)(x + 1) + (x + 1)^2$$

$$I = (x + 1)(2x + 1) + (x + 1)(x + 2) + 3(x + 1)$$

$$K = (7x - 3)^2 + (7x - 3)(x + 2)$$

$$M = (a - 3)(x + 1) - (a - 3)(2x + 2)$$

$$O = (x - 3)(x + 1) - (x - 3)(x - 1)$$

$$B = (5x + 11)(4y - 1) + (5x + 11)(3y + 2)$$

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

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

$$H = (5x + 2)(2x + 1) - (5x + 2)(x + 3)$$

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

$$L = 2(x - 2)(y + 1) - (2y + 1)(x - 2)$$

$$N = (x - 2)^2 - 3(x - 2)$$

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