

Correction Évaluation formative

Exercice 1 :

Développer :

$$A = (2x + 4)^2$$

$$A = 4x^2 + 16x + 16$$

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

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

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

$$C = 49 - 4x^2$$

Exercice 2 :

Développer :

$$D = (3x + 1)^2 + (7x + 2)(7x + 1)$$

$$D = 9x^2 + 6x + 1 + 49x^2 + 7x + 14x + 2$$

$$D = 58x^2 + 27x + 3$$

Exercice 3 :

Factoriser :

$$E = 4x^2 + 12x + 9 = (2x + 3)^2$$

$$F = 25x^2 - 4 = (5x)^2 - 2^2 = (5x - 2)(5x + 2)$$

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

$$G = (2x - 4)[(x + 4) + (3x + 2)]$$

$$G = (2x - 4)(4x + 6)$$