

Exercice 3 : Factoriser les expressions suivantes par x + 1 :

$$B = (x + 1)(x + 5) + 7(x + 1) \qquad = (x+1)(x+12)$$

$$C = (x + 1)(3x + 4) + (x + 1)(x - 3) \qquad = (x+1)(4x+1)$$

$$G = (2x + 4)(x + 1) - (x - 7)(x + 1) \qquad = (x+1)(x+11)$$

Exercice 4 : Factoriser les expressions suivantes

$$A = (2x + 1)(x + 3) + 5(2x + 1) \qquad = (2x+1)(x+8)$$

$$B = 9x^2 - 12x + 4 \qquad = (3x-2)^2$$

$$C = (5x - 2)^2 - (x + 3)^2 \qquad = (6x+1)(4x-5)$$

$$D = 25x^2 - 16 \qquad = (5x+4)(5x-4)$$