

Correction exercice 38 p 44 :

$$A = x(x + 2) = x \times x + x \times 2 = x^2 + 2x$$

$$B = 3x(x + 4) = 3x \times x + 3x \times 4 = 3x^2 + 12x$$

$$C = 2x(3 - x) = 2x \times 3 - 2x \times x = 6x - 2x^2$$

Correction exercice 40 p 45 :

$$A = -5(x + 4) = -5 \times x + (-5) \times 4 = -5x - 20$$

$$B = -3(x - 2) = -3 \times x - (-3) \times 2 = -3x + 6$$

$$C = -4(5x - 1) = -4 \times 5x - (-4) \times 1 = -20x + 4$$

Correction exercice 41 p 45 :

$$D = -x(2 - 4x) = -x \times 2 - (-x) \times 4x = -2x + 4x^2$$

$$E = -2x(x - 3) = -2x \times x - (-2x) \times 3 = -2x^2 + 6x$$

$$F = 7x(3x - 5) = 7x \times 3x - 7x \times 5 = 21x^2 - 35x$$