

5e : Chapitre 11 : Calcul Littéral – Question flash 5 - Correction

Exercice 1 : Simplifier si possible les expressions littérales suivantes :

$$A = 9x - 12y + 4x + 12 - 5y - 5x + 8 = 8x - 17y + 20$$

$$C = 3x \times 8 = 24x$$

$$D = 9x \times 4x = 36x^2$$

$$E = 4 \times 2x \times 3 = 24x$$

$$F = 5x^2 + 6x - 9x^2 - 12x - 5 = -4x^2 - 6x - 5$$

$$H = 2 \times 3b - 6d - 18d - 4b = 6b - 6d - 18d - 4b = 2b - 24d$$

Exercice 2 : Distribuer les expressions suivantes, puis simplifier si possible.

$$K = 3(x + 5) = 3 \times x + 3 \times 5 = 3x + 15$$

$$L = 8(3x - 7) = 8 \times 3x - 8 \times 7 = 24x - 56$$

$$M = x(6 + x) = x \times 6 + x \times x = 6x + x^2$$

$$N = 3x(4x - 2) = 3x \times 4x - 3x \times 2 = 12x^2 - 6x$$

$$P = 4(x - 7) + 6x + 8 + 3(7 - 2x) = 4x - 28 + 6x + 8 + 21 - 6x = 4x + 1$$