

Correction des exercices de révision

Exercice 1 Factoriser et réduire les expressions suivantes.

$$A = 9y + 12$$

$$A = 3(3y + 4)$$

$$P = (-3x + 4)(3x - 8) - (-3x + 4)(7x + 2)$$

$$P = (-3x + 4)(-4x - 10)$$

$$S = -x - (3x - 2)x$$

$$S = -x(3x - 1)$$

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

$$D = (3x - 2)(7x + 4)$$

$$F = xy + x(y + 1)$$

$$F = x(2y + 1)$$

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

$$Z = (2x - 1)(x - 4)$$

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

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

$$K = \left(\frac{5}{4}x - 6\right)(9 - 5x) - \left(\frac{1}{4}x + 11\right)(-5x + 9)$$

$$K = (9 - 5x)(x - 17)$$

Exercice 2 Développer et réduire les expressions suivantes.

$$G = -11x(3x - 1)$$

$$G = -33x^2 + 11x$$

$$C = 7x(9 + 4x) - (-15 - 2x + 9x^2 + 12x)$$

$$C = 19x^2 + 53x + 15$$

$$V = (x - 9)(3 - 2x)$$

$$V = -2x^2 + 21x - 27$$

$$V = (4 - x)(x + 2) + 6(-x + 3)$$

$$V = -x^2 - 4x + 26$$