

## Développement – Factorisation 2

Correction

1) Développe chaque expression

$$A = -3x(a - 8)$$

$$B = -6x(-2 - x)$$

$$C = (1 - 2y) \times 3a$$

$$D = -5b(12 - b)$$

$$A = -3xa - 3x(-8)$$

$$B = -6x(-2) - 6x(-x)$$

$$C = 1 \times 3a - 2y \times 3a$$

$$D = -5b \times 12 - 5b \times (-b)$$

$$A = -3a + 24$$

$$B = 12 + 6x$$

$$C = 3a - 6ay$$

$$D = -60b + 5b^2$$

2) Factorise chaque expression

$$A = 6a - 18b$$

$$B = -27x - 9y$$

$$C = -5x^2 + 15$$

$$D = 20a - 35a^2$$

$$A = 6xa + 6x3b$$

$$B = -9x3x - 9xy$$

$$C = 5x(-x^2) + 5x3$$

$$D = 5a \times 4 - 5a \times 7a$$

$$A = 6(a+3b)$$

$$B = -9(3x + y)$$

$$C = 5(-x^2 + 3)$$

$$D = 5a(4-7a)$$

3) Réduis chaque expression

$$A = -8x + 4x$$

$$B = y - 6y$$

$$C = 3x^2 + 4x^2$$

$$D = -5a - a + 8a$$

$$A = -4x$$

$$B = -5y$$

$$C = 7x^2$$

$$D = 2a$$

4) Réduis chaque expression

$$A = -3a^2 + 2a - 3 + a^2 + a$$

$$B = -4c - c^2 + 3c^2 - 8c$$

$$C = 7 - 3y + 7y^2 - 15y^2 - 9$$

$$A = -2a^2 + 3a - 3$$

$$B = 2c^2 - 12c$$

$$C = -8y^2 - 3y - 2$$

5) Développe puis réduis

$$A = -2x(3x - 5) + 2x$$

$$B = 3x(-7x + 2) - 13x$$

$$C = -4x(x + 8x^2) + 6x + 30x^2$$

$$A = -2x \times 3x - 2x \times (-5) + 2x$$

$$B = 3x \times (-7x) + 3x \times 2 - 13x$$

$$C = -4 \times x - 4 \times 8x^2 + 6x + 30x^2$$

$$A = -6x^2 + 10x + 2x$$

$$B = -21x^2 + 6x - 13x$$

$$C = -4x - 32x^2 + 6x + 30x^2$$

$$A = -6x^2 + 12x$$

$$B = -21x^2 - 7x$$

$$C = 2x - 2x^2$$