

# Développement - Factorisation

1) Développe chaque expression

$$A = 7 \times (a + 3)$$

$$B = 4 \times (2 - x)$$

$$C = 3(y + 1)$$

$$D = 5(2 + a - b)$$

$$A = \dots\dots\dots$$

$$B = \dots\dots\dots$$

$$C = \dots\dots\dots$$

$$D = \dots\dots\dots$$

$$A = \dots\dots\dots$$

$$B = \dots\dots\dots$$

$$C = \dots\dots\dots$$

$$D = \dots\dots\dots$$

2) Factorise chaque expression

$$A = 5a + 5b$$

$$B = 8x - 8y$$

$$C = 5x + 15$$

$$D = 18 - 9x$$

$$A = \dots\dots\dots$$

$$B = \dots\dots\dots$$

$$C = \dots\dots\dots$$

$$D = \dots\dots\dots$$

$$C = \dots\dots\dots$$

$$D = \dots\dots\dots$$

3) Réduis chaque expression

$$A = 5x + 7x$$

$$B = 8y - 3y$$

$$C = 13x + x$$

$$D = 5a - a$$

$$A = \dots\dots\dots$$

$$B = \dots\dots\dots$$

$$C = \dots\dots\dots$$

$$D = \dots\dots\dots$$

4) Utilise la factorisation pour calculer astucieusement

$$A = 23,7 \times 7 + 23,7 \times 3$$

$$B = 11,4 \times 13,2 - 11,4 \times 3,2$$

$$C = 3,2 \times 2,7 - 2,7 \times 2,2$$

$$A = \dots\dots\dots$$

$$B = \dots\dots\dots$$

$$C = \dots\dots\dots$$

$$A = \dots\dots\dots$$

$$B = \dots\dots\dots$$

$$C = \dots\dots\dots$$

$$A = \dots\dots\dots$$

$$B = \dots\dots\dots$$

$$C = \dots\dots\dots$$

5) Développe puis réduis

$$A = 2(x + 4) - 7$$

$$B = 21 + 3(2 - x)$$

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

$$D = 6(a + 3) + 9a + 15$$

$$A =$$

$$B =$$

$$C =$$

$$D =$$

$$A =$$

$$B =$$

$$C =$$

$$D =$$

$$A =$$

$$B =$$

$$C =$$

$$D =$$