

# DÉVELOPPER / FACTORISER

## CORRECTION

### EXERCICE 1

Développer puis réduire les expressions suivantes :

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

$$A = 10 + 2x$$

$$B = x(x + 4)$$

$$B = x^2 + 4x$$

$$C = 7(x - 3)$$

$$C = 7x - 21$$

$$D = 3x(x + 5)$$

$$D = 3x^2 + 15x$$

$$E = 6(1 + x) - 5x$$

$$E = 6 + 6x - 5x$$

$$E = 6 + x$$

$$F = 8x(2x + 1) + 2(9 - x)$$

$$F = 16x^2 + 8x + 18 - 2x$$

$$F = 16x^2 + 6x + 18$$

$$G = 11(7x + 5) + 4(y - 5)$$

$$G = 77x + 55 + 4y - 20$$

$$G = 77x + 4y - 35$$

### EXERCICE 2

Factoriser les expressions suivantes :

$$H = 5x - 5$$

$$H = 5(x - 1)$$

$$I = 6x + 6$$

$$I = 6(x + 1)$$

$$J = 72x + 9$$

$$J = 9(8x + 1)$$

$$K = 36x - 30y$$

$$K = 6(6x - 5y)$$

$$L = 56 - 21x$$

$$L = 7(8 - 3x)$$