

Correction entraînement IE n°2

Développe, réduis et ordonne les expressions littérales. N'oublie pas les flèches !!

Q1



$$A = 3(x + 8)$$

$$A = 3 \times x + 3 \times 8$$

$$A = 3x + 24$$

Q2



$$B = 7y(y - 5)$$

$$B = 7y \times y - 7y \times 5$$

$$B = 7y^2 - 35$$

Q3



$$C = -6(a - 4)$$

$$C = -6 \times a + 6 \times 4$$

$$C = -6a + 24$$

Q4



$$D = -2x(8 - 3x)$$

$$D = -2x \times 8 + 2x \times 3x$$

$$D = -16x + 6x^2$$

$$D = 6x^2 - 16x$$

Q5



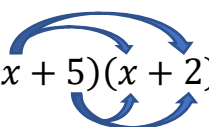
$$E = 4(2y + 3) - (11 - y)$$

$$E = 4 \times 2y + 4 \times 3 - 11 + y$$

$$E = 8y + 12 - 11 + y$$

$$E = 9y + 1$$

Q6



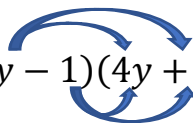
$$F = (9x + 5)(x + 2)$$

$$F = 9x \times x + 9x \times 2 + 5 \times x + 5 \times 2$$

$$F = 9x^2 + 18x + 5x + 10$$

$$F = 9x^2 + 23x + 10$$

Q7



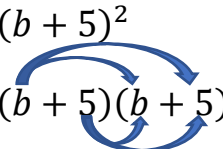
$$G = (3y - 1)(4y + 5)$$

$$G = 3y \times 4y + 3y \times 5 - 1 \times 4y - 1 \times 5$$

$$G = 12y^2 + 15y - 4y - 5$$

$$G = 12y^2 + 11y - 5$$

Q8



$$H = (b + 5)^2$$

$$H = (b + 5)(b + 5)$$

$$H = b \times b + b \times 5 + 5 \times b + 5 \times 5$$

$$H = b^2 + 5b + 5b + 25$$

$$H = b^2 + 10b + 25$$

Q9

$$I = 12x^2 + 8 - (3x + 9x^2 - 5) + (6x^2 + 4x - 6)$$

$$I = 12x^2 + 8 - 3x - 9x^2 + 5 + 6x^2 + 4x - 6$$

$$I = 12x^2 - 9x^2 + 6x^2 - 3x + 4x + 8 + 5 - 6$$

$$I = 9x^2 + x - 1$$

Q10

$$J = 7(y + 1) - (y + 2)(y - 8)$$

$$J = 7 \times y + 7 \times 1 - (y \times y - y \times 8 + 2 \times y - 2 \times 8)$$

$$J = 7y + 7 - (y^2 - 8y + 2y - 16)$$

$$J = 7y + 7 - (y^2 - 6y - 16)$$

$$J = 7y + 7 - y^2 + 6y + 16$$

$$J = -y^2 + 7y + 6y + 7 + 16$$

$$J = -y^2 + 13y + 23$$