

Calcul littéral 1

Exercice 1

$$A = 9u^2 + 2u^2 = 11u^2$$

$$B = 6v^2 \times (-10) = 6 \times v^2 \times (-10) = 6 \times (-10) \times v^2 = -60v^2$$

$$C = -9v^2 \times (-1) = (-9) \times (-1) \times v^2 = 9v^2$$

$$D = 10b^2 \times 6 = 60b^2$$

$$E = 8f^2 - (-3) = 8f^2 + 3$$

$$F = -10r^2 - (-8r^2) = -10r^2 + 8r^2 = -2r^2$$

$$G = 10p^2 \times 8 = 10 \times 8 \times p^2 = 80p^2$$

$$H = 9d^2 - 10d^2 = -d^2$$

$$I = -8g - (-7g) = -8g + 7g = -g$$

Exercice 2

$$\begin{aligned} A &= -5s - 10s - 4 + 4 - 3s^2 - (-7s^2) \\ &= -5s - 10s - 4 + 4 - 3s^2 + 7s^2 \\ &= -15s + 4s^2 \end{aligned}$$

$$\begin{aligned} B &= 6w - 1 - 8w^2 + 3w^2 + 3w - 4 \\ &= 6w + 3w - 8w^2 + 3w^2 - 1 - 4 \\ &= 9w - 5w^2 - 5 \end{aligned}$$

$$\begin{aligned} e &= -6v - (-9) - 4v^2 - 4 - 5v^2 - v \\ &= -6v + 9 - 4v^2 - 4 - 5v^2 - v \\ &= -6v - v - 4v^2 - 5v^2 + 9 - 4 \\ &= -7v - 9v^2 + 5 \end{aligned}$$

$$\begin{aligned} D &= 7 \times (-9) \times (-6) \times 9y - (-9y^2) \\ &= 7 \times 9 \times 6 \times y^2 + 9y^2 \\ &= 378y^2 + 9y^2 \\ &= 387y^2 \end{aligned}$$

$$\begin{aligned} E &= -6 \times (-2) \times t + 3t^2 - 3t \\ &= 12t + 3t^2 - 3t \\ &= 3t + 3t^2 \end{aligned}$$

$$\begin{aligned} F &= -3y \times (-5) \times (-3y) \times (-2) - (-10y^2) \\ &= 3 \times 5 \times 3 \times 2 \times y^2 + 10y^2 \\ &= 90y^2 + 10y^2 \\ &= 100y^2 \end{aligned}$$