

## connection de la feuille n° 3

### Exercice 1

$$\begin{aligned} \text{a) } & (6x+5) + (3x-1) \\ & = 6x+5 + 3x-1 = \boxed{9x+4} \end{aligned}$$

$$\begin{aligned} \text{b) } & (5x+10) - (3x-8) \\ & = 5x+10 - 3x+8 = \boxed{2x+18} \end{aligned}$$

$$\begin{aligned} \text{c) } & (5x^2+3x+6) - (3x^2-4x+1) \\ & = 5x^2-3x+6 - 3x^2+4x-1 \\ & = 2x^2+1x+5 = \boxed{2x^2+x+5} \end{aligned}$$

### Exercice 2

$$\begin{aligned} \text{a) } & (9x+6) + (2x-3) - (4x-1) \\ & = 9x+6 + 2x-3 - 4x+1 \\ & = \boxed{7x+4} \end{aligned}$$

$$\begin{aligned} \text{b) } & (7x+4) - (8x-5) - (-x+9) \\ & = 7x+4 - 8x+5 + x-9 \\ & = \boxed{0} !! \text{ (Tout s'annule !!)} \end{aligned}$$

$$\begin{aligned} \text{c) } & (6x^2-5x+4) - (3x^2-2x-1) \\ & = 6x^2-5x+4 - 3x^2+2x+1 \\ & = \boxed{3x^2-3x+5} \end{aligned}$$

$$\begin{aligned} \text{d) } & -(6x-5) - (-2x+1) \\ & = -6x+5 + 2x-1 \\ & = \boxed{-4x+4} \end{aligned}$$