

exercice 7

$$\textcircled{1} f(x) = (x+1)(2-3x)$$

$$0 = (x+1)(2-3x)$$

$$(x+1)=0 \quad \text{ssi} \quad (2-3x)=0$$

$$x = -1 \qquad \begin{array}{l} | \\ | \\ | \end{array} \begin{array}{l} 3x = 2 \\ x = \frac{2}{3} \end{array}$$

$$S = \left\{ \frac{2}{3}, -1 \right\}$$

$$\begin{aligned} \textcircled{2} f(x) &= (x+1)(2-3x) \\ &= 2x - 3x^2 + 2 - 3x \\ &= -3x^2 - x + 2 \end{aligned}$$

$$\textcircled{3} \text{ Je cherche } x_s = \frac{-b}{2a}$$

$$a = -3 \quad b = -1 \quad c = 2$$

$$\text{Je remplace : } \frac{1}{-6}$$

équation de l'axe de symétrie :

$$x_s = \frac{1}{-6}$$

