

$$f(x) = 3x^2 - 2x + 1$$

$$f(x) = 2x^2 + bx + c$$

$$f(3) = 3 \cdot 3^2 - 2 \cdot 3 + 1 = 27 - 6 + 1 = \underline{\underline{22}}$$

$\Rightarrow (3; 22)$ est sur le graphe.

$(1; 5)$ est sur le graphe. ?

$$f(1) = 3 \cdot 1^2 - 2 \cdot 1 + 1 = 3 - 2 + 1 = 2 \quad \text{Non}$$

$$f(x) = 5$$

$$3x^2 - 2x + 1 = 5$$

$$3x^2 - 2x - 4 = 0$$

$$\Delta = 4 - 4 \cdot 3 \cdot (-4) = 52 = 4 \cdot 13$$

$$x_{1,2} = \frac{2 \pm 2\sqrt{13}}{6} \begin{cases} 1,53 \\ -0,87 \end{cases}$$