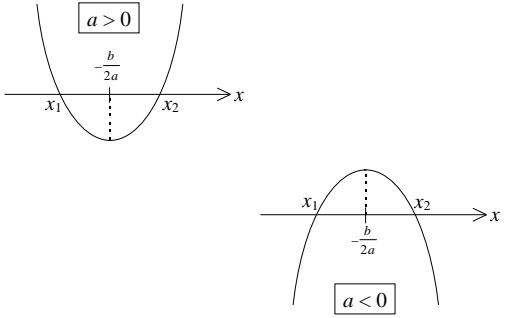
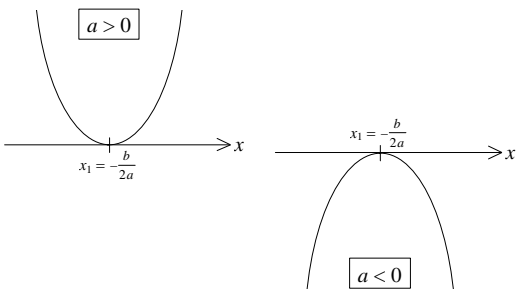
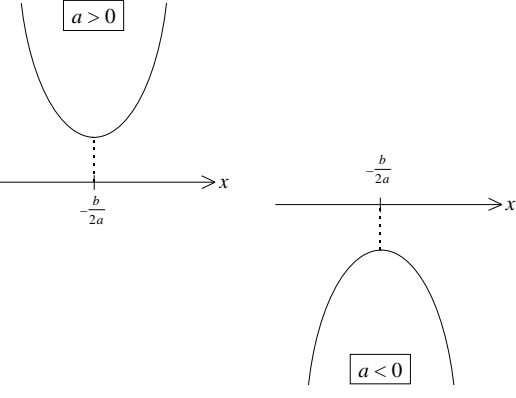


$$f(x) = ax^2 + bx + c \quad (a \neq 0)$$

$$\Delta = b^2 - 4ac$$

Nombre de racines Valeur des racines	Signe de $ax^2 + bx + c$	Représentation : parabole	Factorisation	
Deux racines x_1 et x_2 : $\frac{-b - \sqrt{\Delta}}{2a}$ $\frac{-b + \sqrt{\Delta}}{2a}$	$\begin{array}{c c} x & -\infty & +\infty \\ \hline f(x) & & \end{array}$			Δ
	$\begin{array}{c c} x & -\infty & +\infty \\ \hline f(x) & & \end{array}$			Δ
Aucune racine réelle	$\begin{array}{c c} x & -\infty & +\infty \\ \hline f(x) & & \end{array}$			Δ