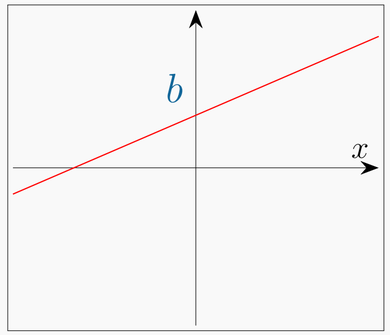
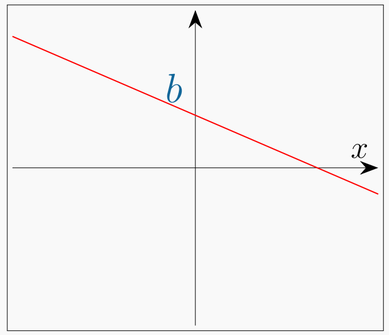
Fonctions de référence

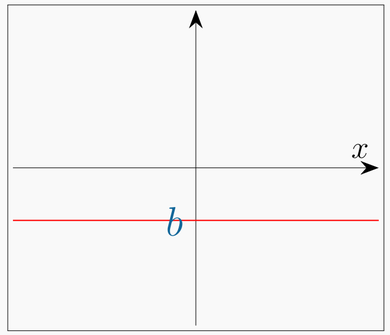
Fonctions affines $x \mapsto ax + b$



Cas $a > 0$



Cas $a < 0$



Cas $a = 0$

Fonctions polynômes de degré 2

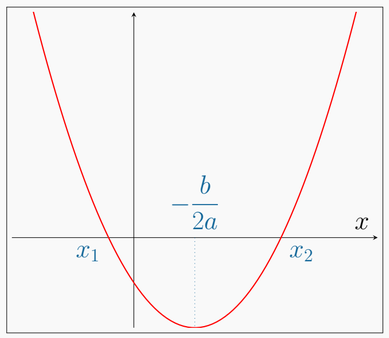
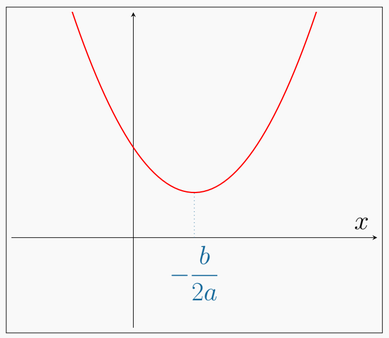
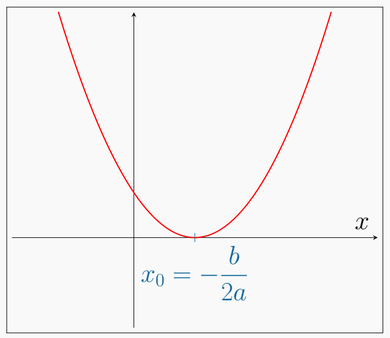
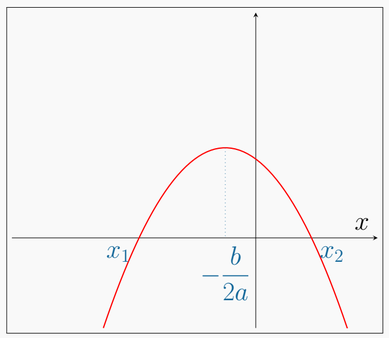
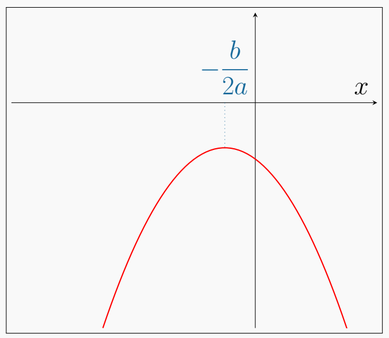
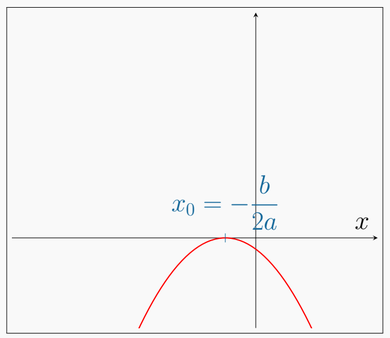
$f : x \mapsto ax^2 + bx + c$

$x_1 = \dfrac{-b - \sqrt{\Delta}}{2a}$ et $x_2 = \dfrac{-b + \sqrt{\Delta}}{2a}$

$f(x) = a(x - x_1)(x - x_2)$

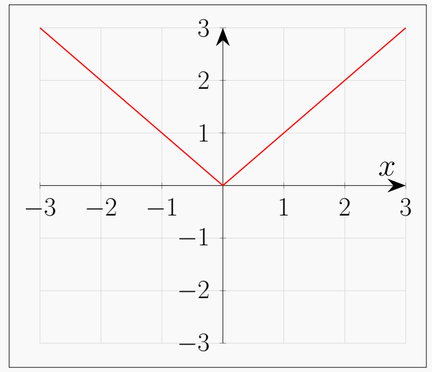
$x_0 = \dfrac{-b}{2a}$

$f(x) = a(x - x_0)^2$

	Cas $\Delta > 0$	**Cas $\Delta < 0$**	**Cas $\Delta = 0$**
	Deux racines x_1 et x_2	**Aucune racine**	**Une seule racine x_0**
Cas $a > 0$			
Cas $a < 0$			

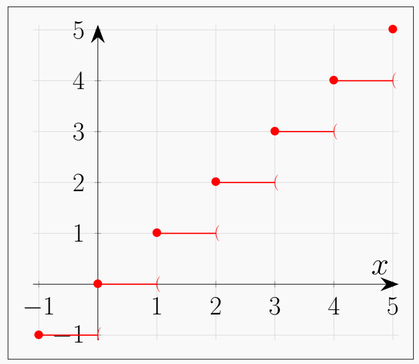
Fonction valeur absolue

$x \mapsto |x|$



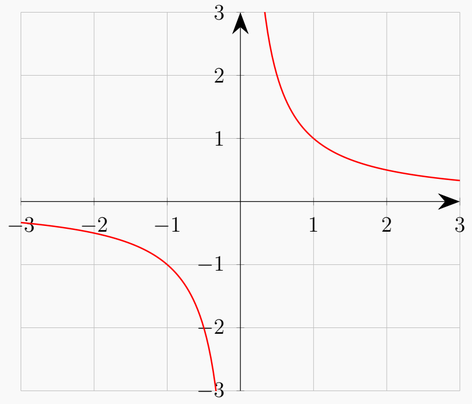
Fonction partie entière

$x \mapsto \lfloor x \rfloor$



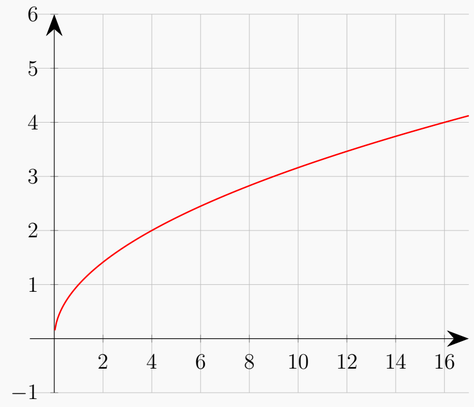
Fonctions de référence (2)

Fonction inverse $x \mapsto \dfrac{1}{x}$

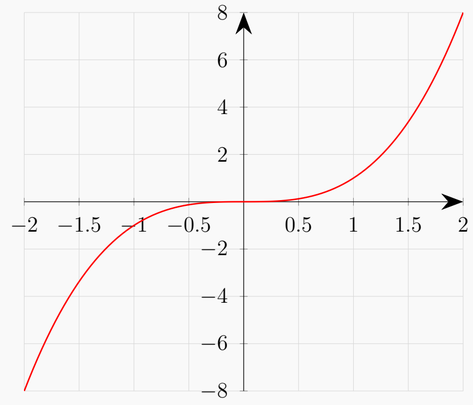


Fonction racine carrée

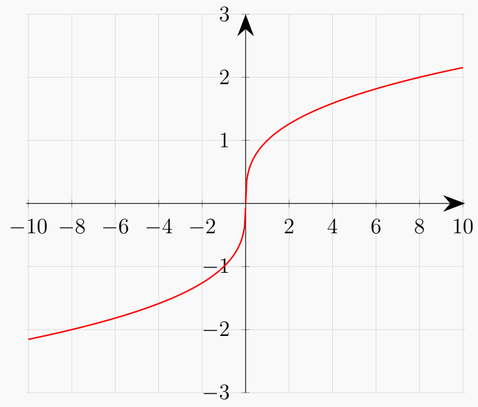
$x \mapsto \sqrt{x}$



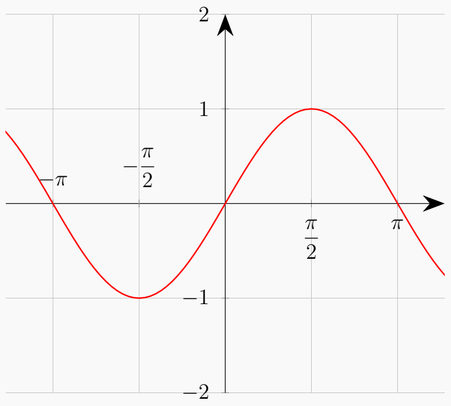
Fonction cube $x \mapsto x^3$



Fonction racine cubique $x \mapsto \sqrt[3]{x}$

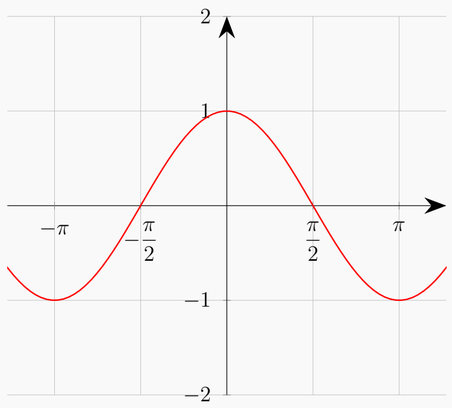


Fonction sinus $x \mapsto \sin x$



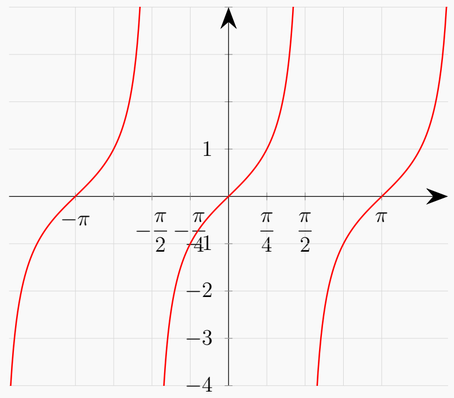
Fonction cosinus

$x \mapsto \cos x$



Fonction tangente

$x \mapsto \tan x = \dfrac{\sin x}{\cos x}$



Fonction arctangente

$x \mapsto \arctan x$