

f(x)

D_f (D_E)

Limites aux bornes

Dérivation

Tableau de variation
Représentation graphique

$f'(x) \geq 0$ f est croissante
 $f'(x) \leq 0$ f est décroissante

Signe (f'(x))

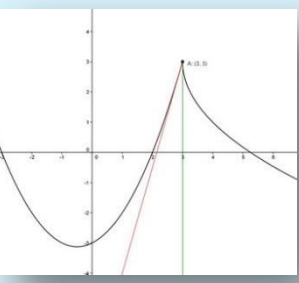
Extremum :

Point d'inflexion

$f'(x) = 0$

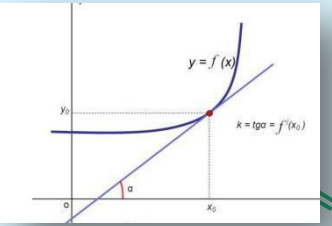
Fonction dérivée : f'(x)

Point Anguleux

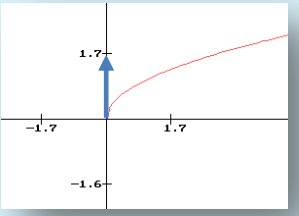


Nombre dérivée : f'(x₀)

Finie : f est dérivable en x₀

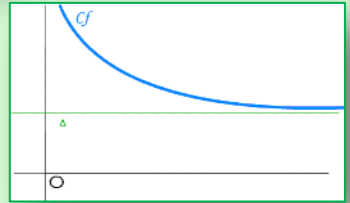
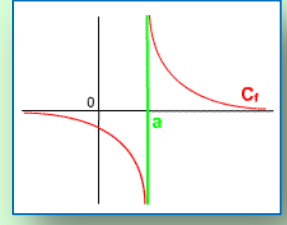


$\pm\infty$: f n'est pas dérivable en x₀



$\lim_{x \rightarrow x_0^+} f(x) = ?$

$\pm\infty$

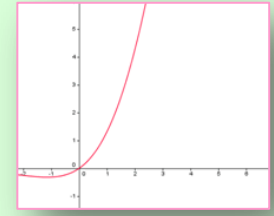


$\lim_{x \rightarrow \pm\infty} f(x) = ?$

b

$\pm\infty$

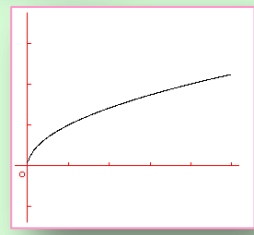
$\lim_{x \rightarrow \pm\infty} \frac{f(x)}{x} = ?$



$\pm\infty$

a

$\lim_{x \rightarrow \pm\infty} f(x) - ax = ?$



b

$\pm\infty$

