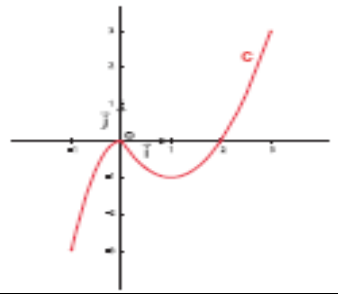
E 1

Calculer les limites suivantes :

$\lim\limits_{x\to+\infty} \sqrt{x^2-1}-x$; $\lim\limits_{x\to-\infty} \sqrt{4-2x}-\sqrt{1-2x}$

$\lim\limits_{x\to 1} \dfrac{x^2+x-2}{x^2+2x-3}$; $\lim\limits_{x\to+\infty} \dfrac{\sqrt{x}+1}{2\sqrt{x}-1}$

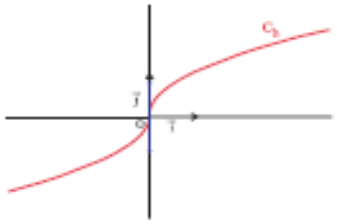
E 2



$f(0)$; $f(1)$ et $f(2)$

$\lim\limits_{x\to+\infty} f(x)$

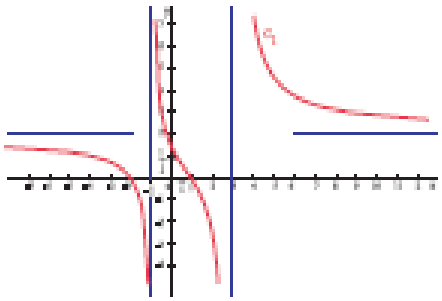
$\lim\limits_{x\to-\infty} f(x)$



$f(0)$ et $f(1)$

$\lim\limits_{x\to+\infty} f(x)$

$\lim\limits_{x\to-\infty} f(x)$

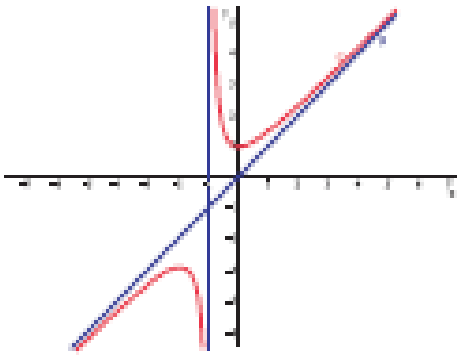


$f(0)$; $f(1)$ et $f(-2)$

$\lim\limits_{x\to+\infty} f(x)$; $\lim\limits_{x\to-\infty} f(x)$

$\lim\limits_{x\to 3^+} f(x)$; $\lim\limits_{x\to 3^-} f(x)$

$\lim\limits_{x\to -1^+} f(x)$; $\lim\limits_{x\to -1^-} f(x)$



$f(0)$ et $f(-2)$

$\lim\limits_{x\to+\infty} f(x)$; $\lim\limits_{x\to+\infty} f(x)-x$

$\lim\limits_{x\to-\infty} f(x)$; $\lim\limits_{x\to-\infty} f(x)-x$