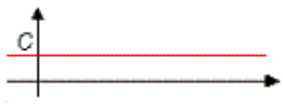
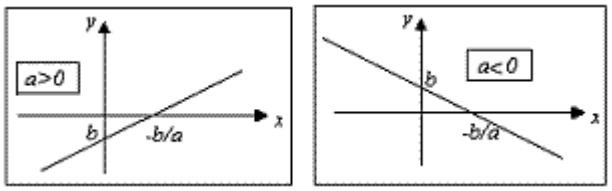
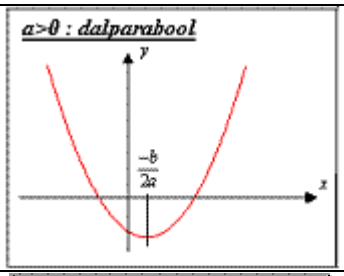
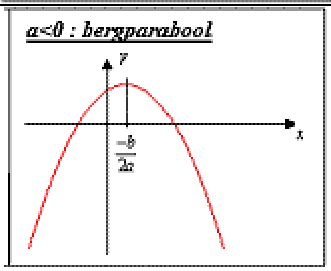
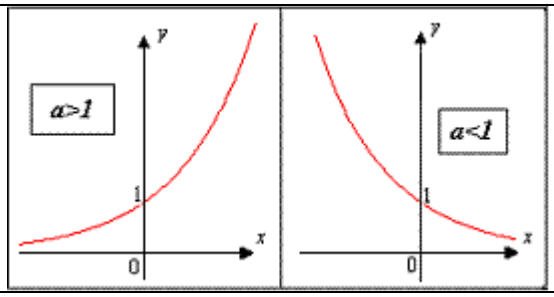
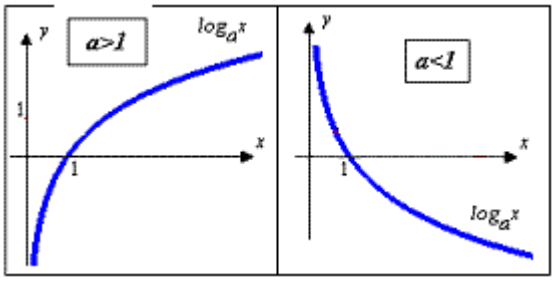
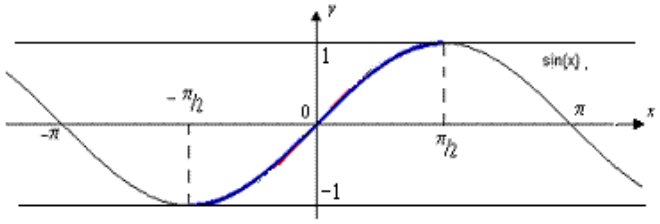
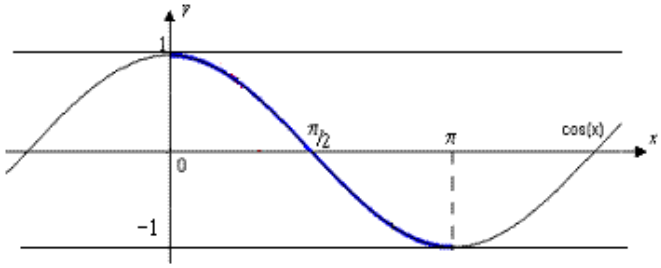
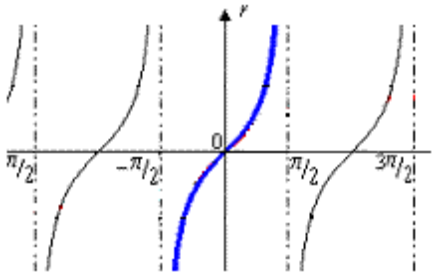
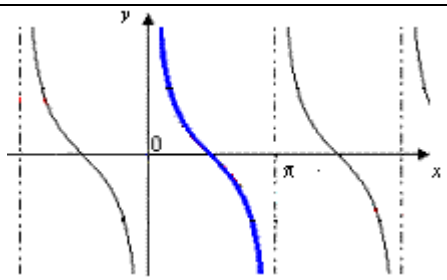
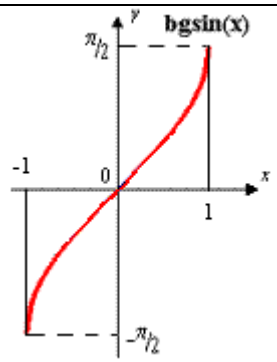
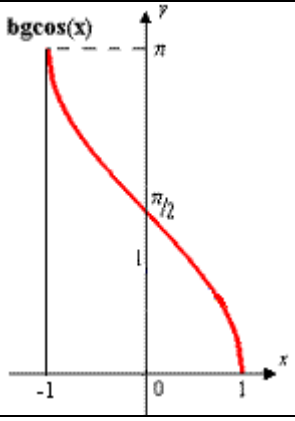
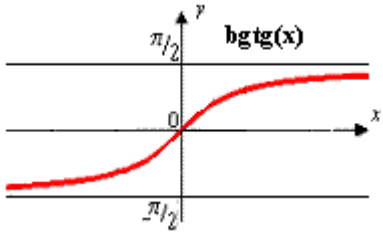
Overzicht elementaire functies

functie	def(f)	Im(f)	Grafiek
$f(x)=C$	R	$\{C\}$	
$f(x)=ax+b$	R	R	
$f(x)=ax^2+bx+c$ $a>0$	R	$\left[f(\frac{-b}{2a}),+\infty\right[$	
$f(x)=ax^2+bx+c$ $a<0$	R	$\left]-\infty,f(\frac{-b}{2a})\right]$	
$f(x)=\exp_a(x)=a^x$, $a>0, a\neq 1$	R	$]0,+\infty[$	
$f(x)=\exp(x)=e^x$	R	$]0,+\infty[$	
$f(x)=\log_a(x)$, $a>0, a\neq 1$	$]0,+\infty[$	R	
$f(x)=\ln(x)$	$]0,+\infty[$	R	
$f(x)=\sin(x)$	R	$[-1,1]$	

$f(x)=\cos(x)$	R	$[-1,1]$	
$f(x)=tg(x)=\frac{\sin(x)}{\cos(x)}$	$R\setminus\left\{\frac{\pi}{2}+k\pi, k\in Z\right\}$	R	
$f(x)=\cot g(x)=\frac{\cos(x)}{\sin(x)}$	$R\setminus\{k\pi, k\in Z\}$	R	
$f(x)=bg\sin(x)$	$[-1,1]$	$\left[-\frac{\pi}{2},\frac{\pi}{2}\right]$	
$f(x)=bg\cos(x)$	$[-1,1]$	$[0,\pi]$	
$f(x)=bgtg(x)$	R	$\left]-\frac{\pi}{2},\frac{\pi}{2}\right[$