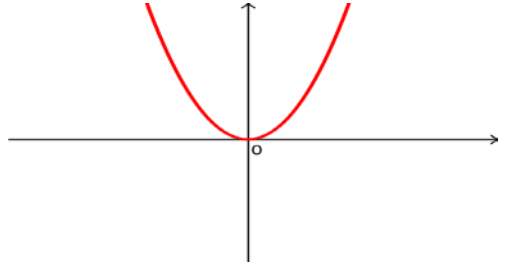
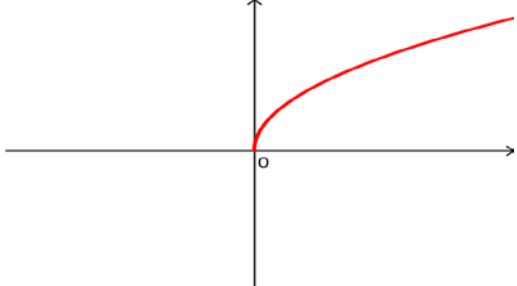
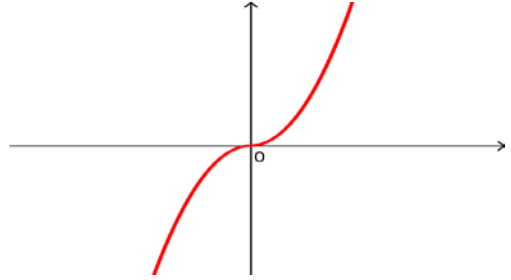
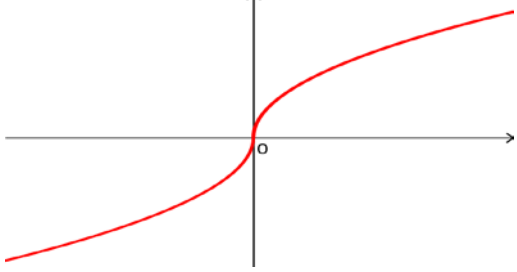
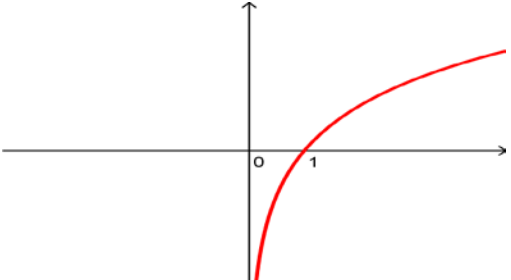
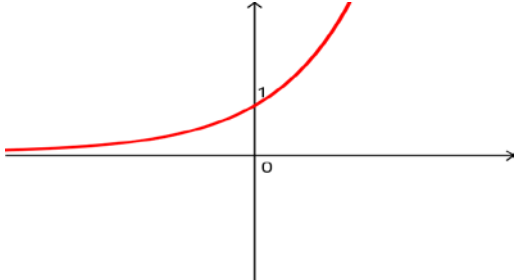
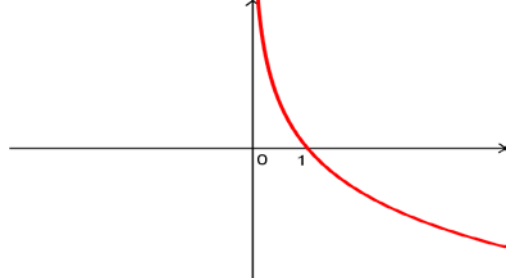
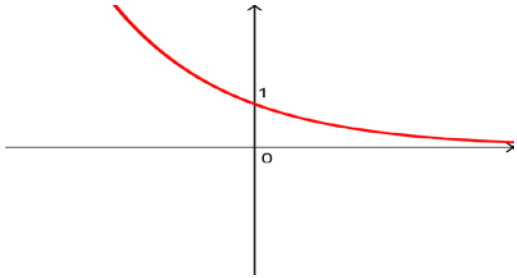
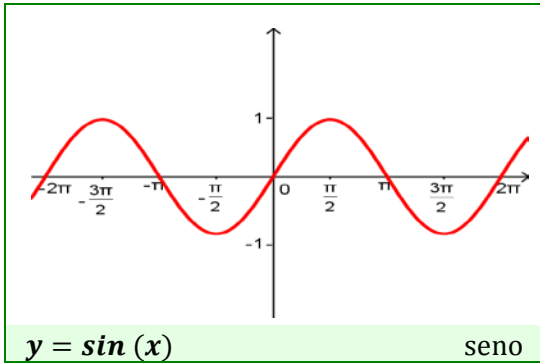
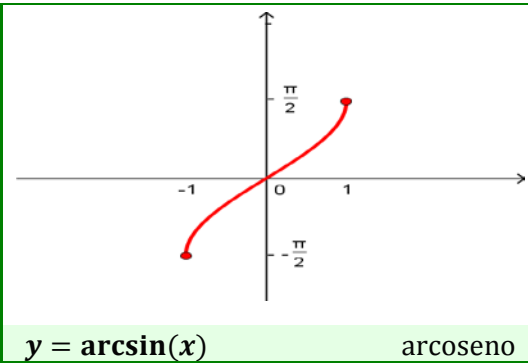
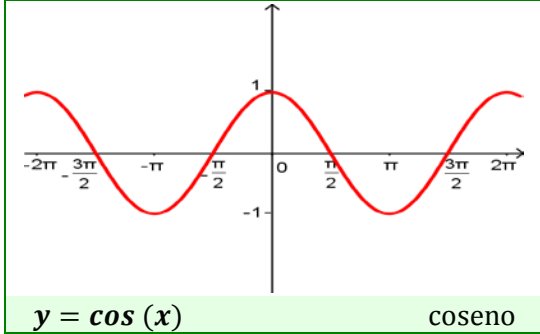
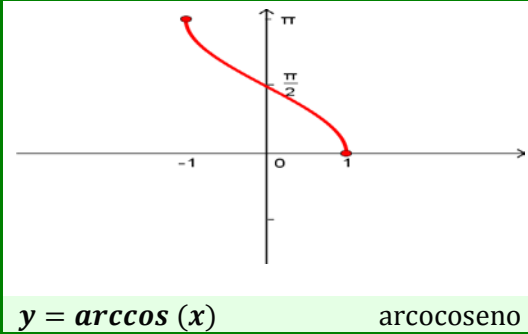
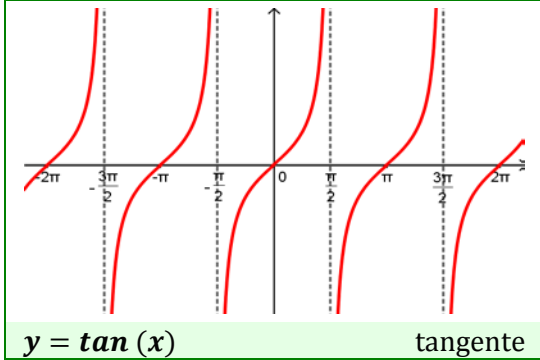
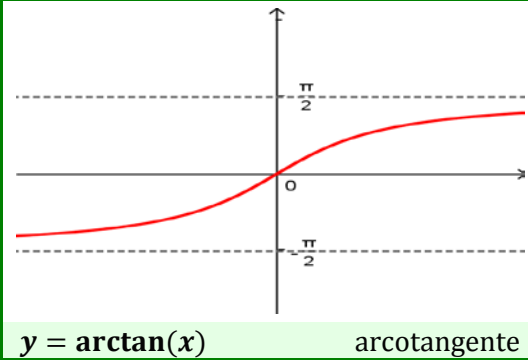
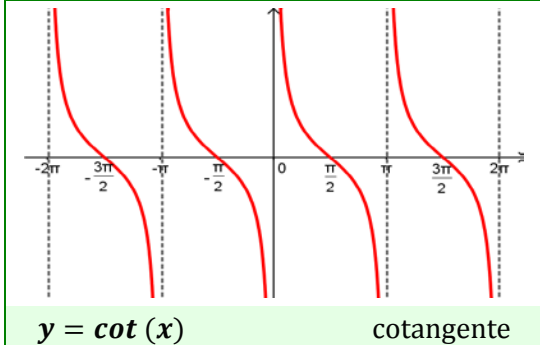
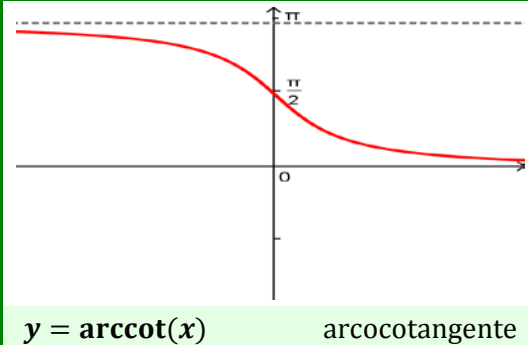


# Limiti delle funzioni elementari

	$\lim_{x \rightarrow -\infty} x^n = +\infty$		$\lim_{x \rightarrow -\infty} \sqrt[n]{x} = \text{non esiste}$
	$\lim_{x \rightarrow 0} x^n = 0^+$		$\lim_{x \rightarrow 0^+} \sqrt[n]{x} = 0^+$
	$\lim_{x \rightarrow +\infty} x^n = +\infty$		$\lim_{x \rightarrow +\infty} \sqrt[n]{x} = +\infty$
<b><math>y = x^n</math> potenza con esponente <math>n</math> pari</b>	<b><math>y = \sqrt[n]{x}</math> radice con indice <math>n</math> pari</b>		
	$\lim_{x \rightarrow -\infty} x^n = -\infty$		$\lim_{x \rightarrow -\infty} \sqrt[n]{x} = -\infty$
	$\lim_{x \rightarrow 0} x^n = 0$		$\lim_{x \rightarrow 0} \sqrt[n]{x} = 0$
	$\lim_{x \rightarrow +\infty} x^n = +\infty$		$\lim_{x \rightarrow +\infty} \sqrt[n]{x} = +\infty$
<b><math>y = x^n</math> potenza con esponente <math>n</math> dispari</b>	<b><math>y = \sqrt[n]{x}</math> radice con indice <math>n</math> dispari</b>		
	$\lim_{x \rightarrow -\infty} \log_a(x) = \text{non esiste}$		$\lim_{x \rightarrow -\infty} a^x = 0^+$
	$\lim_{x \rightarrow 0^+} \log_a(x) = -\infty$		$\lim_{x \rightarrow 0} a^x = 1$
	$\lim_{x \rightarrow +\infty} \log_a(x) = +\infty$		$\lim_{x \rightarrow +\infty} a^x = +\infty$
<b><math>y = \log_a(x)</math> logaritmo con base <math>a &gt; 1</math></b>	<b><math>y = a^x</math> esponenziale con base <math>a &gt; 1</math></b>		
	$\lim_{x \rightarrow -\infty} \log_a(x) = \text{non esiste}$		$\lim_{x \rightarrow -\infty} a^x = +\infty$
	$\lim_{x \rightarrow 0^+} \log_a(x) = +\infty$		$\lim_{x \rightarrow 0} a^x = 1$
	$\lim_{x \rightarrow +\infty} \log_a(x) = -\infty$		$\lim_{x \rightarrow +\infty} a^x = 0^+$
<b><math>y = \log_a x</math> logaritmo con base <math>0 &lt; a &lt; 1</math></b>	<b><math>y = a^x</math> esponenziale con base <math>0 &lt; a &lt; 1</math></b>		

# Limiti delle funzioni elementari

 <p><math>y = \sin(x)</math> seno</p>	<p><math>\lim_{x \rightarrow \pm\infty} \sin(x) = \text{non esiste}</math> il limite non esiste ma è un valore compreso tra -1 ed 1</p> <p><math>\lim_{x \rightarrow 0} \sin(x) = 0</math></p> <p><math>\lim_{x \rightarrow \pi/2} \sin(x) = 1</math></p>	 <p><math>y = \arcsin(x)</math> arcseno</p>	<p><math>\lim_{x \rightarrow -1^+} \arcsin(x) = -\pi/2</math></p> <p><math>\lim_{x \rightarrow 0} \arcsin(x) = 0</math></p> <p><math>\lim_{x \rightarrow 1^-} \arcsin(x) = \pi/2</math></p>
 <p><math>y = \cos(x)</math> coseno</p>	<p><math>\lim_{x \rightarrow \pm\infty} \cos(x) = \text{non esiste}</math> il limite non esiste ma è un valore compreso tra -1 ed 1</p> <p><math>\lim_{x \rightarrow 0} \cos(x) = 1</math></p> <p><math>\lim_{x \rightarrow \pi/2} \cos(x) = 0</math></p>	 <p><math>y = \arccos(x)</math> arcocoseno</p>	<p><math>\lim_{x \rightarrow -1^+} \arccos(x) = \pi</math></p> <p><math>\lim_{x \rightarrow 0} \arccos(x) = \pi/2</math></p> <p><math>\lim_{x \rightarrow 1^-} \arccos(x) = 0</math></p>
 <p><math>y = \tan(x)</math> tangente</p>	<p><math>\lim_{x \rightarrow 0} \tan(x) = 0</math></p> <p><math>\lim_{x \rightarrow \pi/2^-} \tan(x) = +\infty</math></p> <p><math>\lim_{x \rightarrow \pi/2^+} \tan(x) = -\infty</math></p>	 <p><math>y = \arctan(x)</math> arcotangente</p>	<p><math>\lim_{x \rightarrow -\infty} \arctan(x) = -\pi/2</math></p> <p><math>\lim_{x \rightarrow 0} \arctan(x) = 0</math></p> <p><math>\lim_{x \rightarrow +\infty} \arctan(x) = \pi/2</math></p>
 <p><math>y = \cot(x)</math> cotangente</p>	<p><math>\lim_{x \rightarrow 0^-} \cot(x) = -\infty</math></p> <p><math>\lim_{x \rightarrow 0^+} \cot(x) = +\infty</math></p> <p><math>\lim_{x \rightarrow \pi/2} \cot(x) = 0</math></p>	 <p><math>y = \text{arccot}(x)</math> arcocotangente</p>	<p><math>\lim_{x \rightarrow -\infty} \text{arccot}(x) = \pi</math></p> <p><math>\lim_{x \rightarrow 0} \text{arccot}(x) = \pi/2</math></p> <p><math>\lim_{x \rightarrow +\infty} \text{arccot}(x) = 0</math></p>