

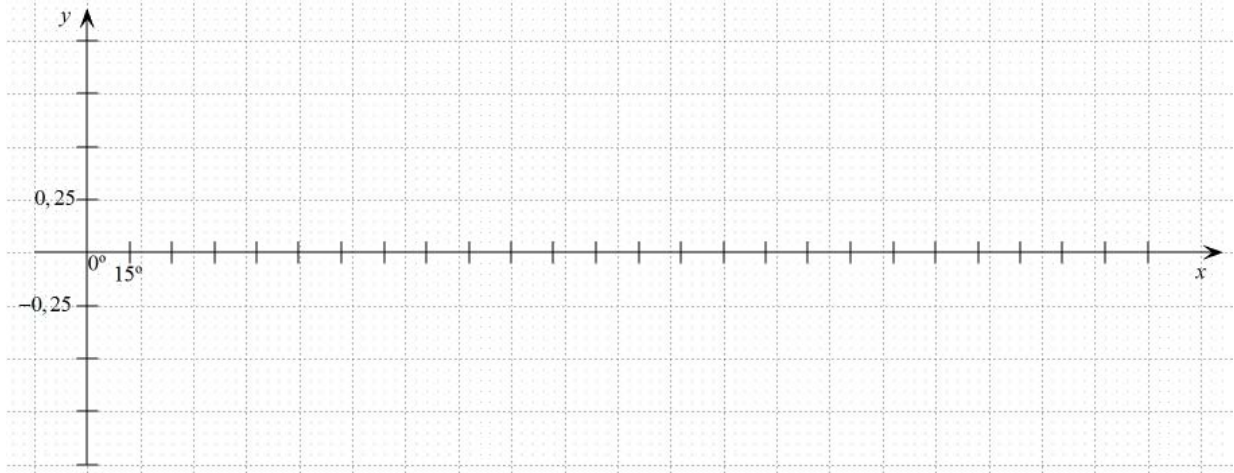
FUNCIONES TRIGONOMÉTRICAS

Función seno: $y = \text{sen } x$

Completa la siguiente tabla (x viene dada en grados sexagesimales y en radianes), con dos decimales.

x	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
	0	$\frac{\pi}{12}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{5\pi}{12}$	$\frac{\pi}{2}$	$\frac{7\pi}{12}$	$\frac{2\pi}{3}$	$\frac{3\pi}{4}$	$\frac{5\pi}{6}$	$\frac{11\pi}{12}$	π
y													

x	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	360°
	$\frac{13\pi}{12}$	$\frac{7\pi}{6}$	$\frac{5\pi}{4}$	$\frac{4\pi}{3}$	$\frac{17\pi}{12}$	$\frac{3\pi}{2}$	$\frac{19\pi}{12}$	$\frac{5\pi}{3}$	$\frac{7\pi}{4}$	$\frac{11\pi}{6}$	$\frac{23\pi}{12}$	2π
y												

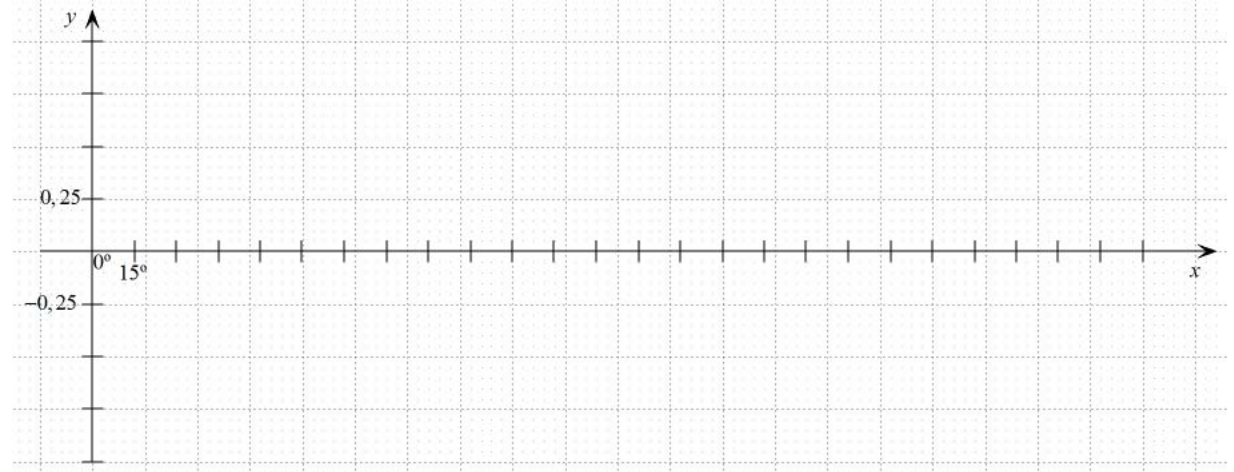


Función coseno: $y = \text{cos } x$

Completa la siguiente tabla (x viene dada en grados sexagesimales y en radianes), con dos decimales.

x	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
	0	$\frac{\pi}{12}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{5\pi}{12}$	$\frac{\pi}{2}$	$\frac{7\pi}{12}$	$\frac{2\pi}{3}$	$\frac{3\pi}{4}$	$\frac{5\pi}{6}$	$\frac{11\pi}{12}$	π
y													

x	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	360°
	$\frac{13\pi}{12}$	$\frac{7\pi}{6}$	$\frac{5\pi}{4}$	$\frac{4\pi}{3}$	$\frac{17\pi}{12}$	$\frac{3\pi}{2}$	$\frac{19\pi}{12}$	$\frac{5\pi}{3}$	$\frac{7\pi}{4}$	$\frac{11\pi}{6}$	$\frac{23\pi}{12}$	2π
y												

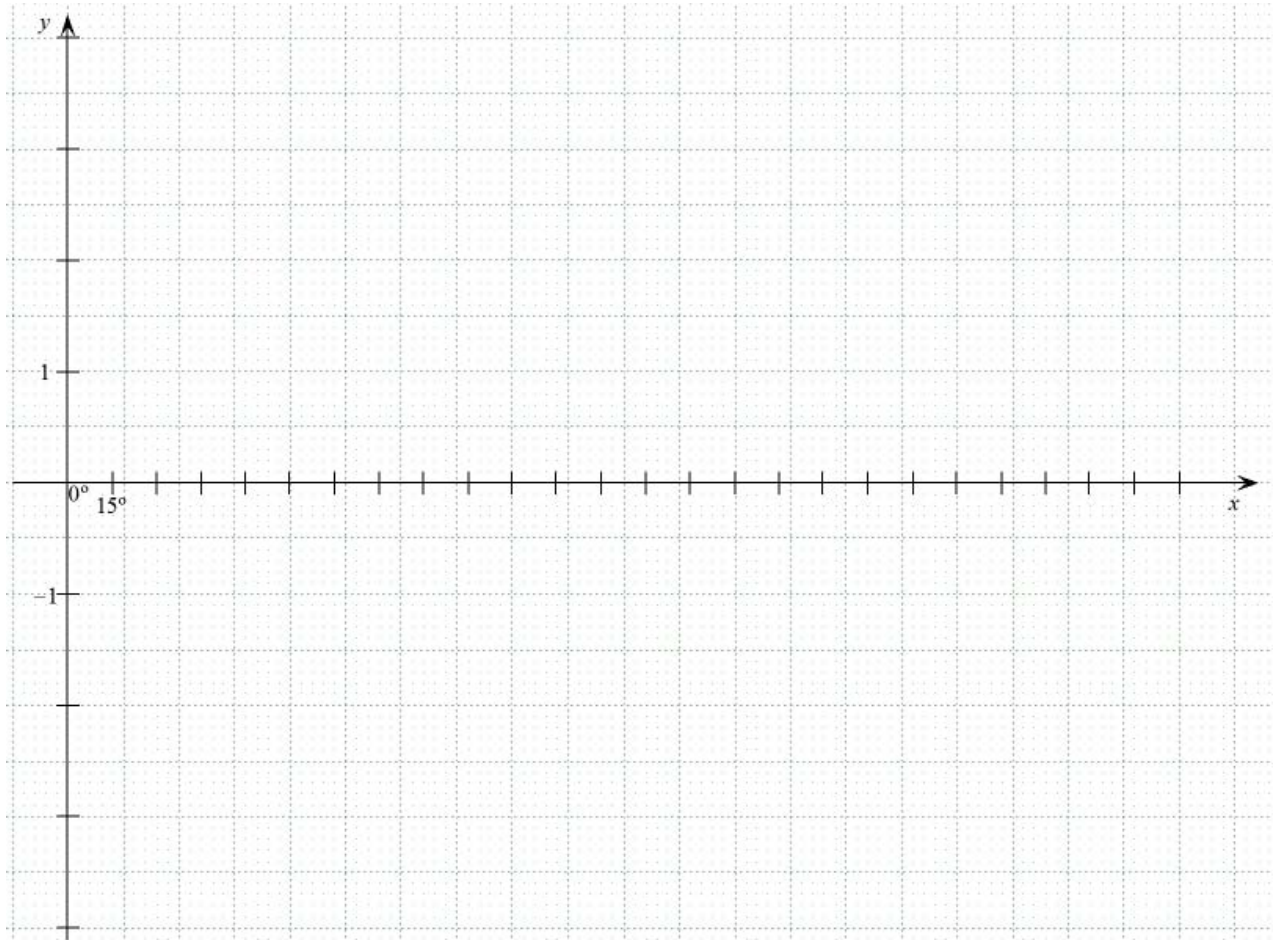


Función tangente: $y = \operatorname{tg} x$

Completa la siguiente tabla (x viene dada en grados sexagesimales y en radianes), con dos decimales.

x	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
	0	$\frac{\pi}{12}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{5\pi}{12}$	$\frac{\pi}{2}$	$\frac{7\pi}{12}$	$\frac{2\pi}{3}$	$\frac{3\pi}{4}$	$\frac{5\pi}{6}$	$\frac{11\pi}{12}$	π
y							∞						

x	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	360°
	$\frac{13\pi}{12}$	$\frac{7\pi}{6}$	$\frac{5\pi}{4}$	$\frac{4\pi}{3}$	$\frac{17\pi}{12}$	$\frac{3\pi}{2}$	$\frac{19\pi}{12}$	$\frac{5\pi}{3}$	$\frac{7\pi}{4}$	$\frac{11\pi}{6}$	$\frac{23\pi}{12}$	2π
y						∞						

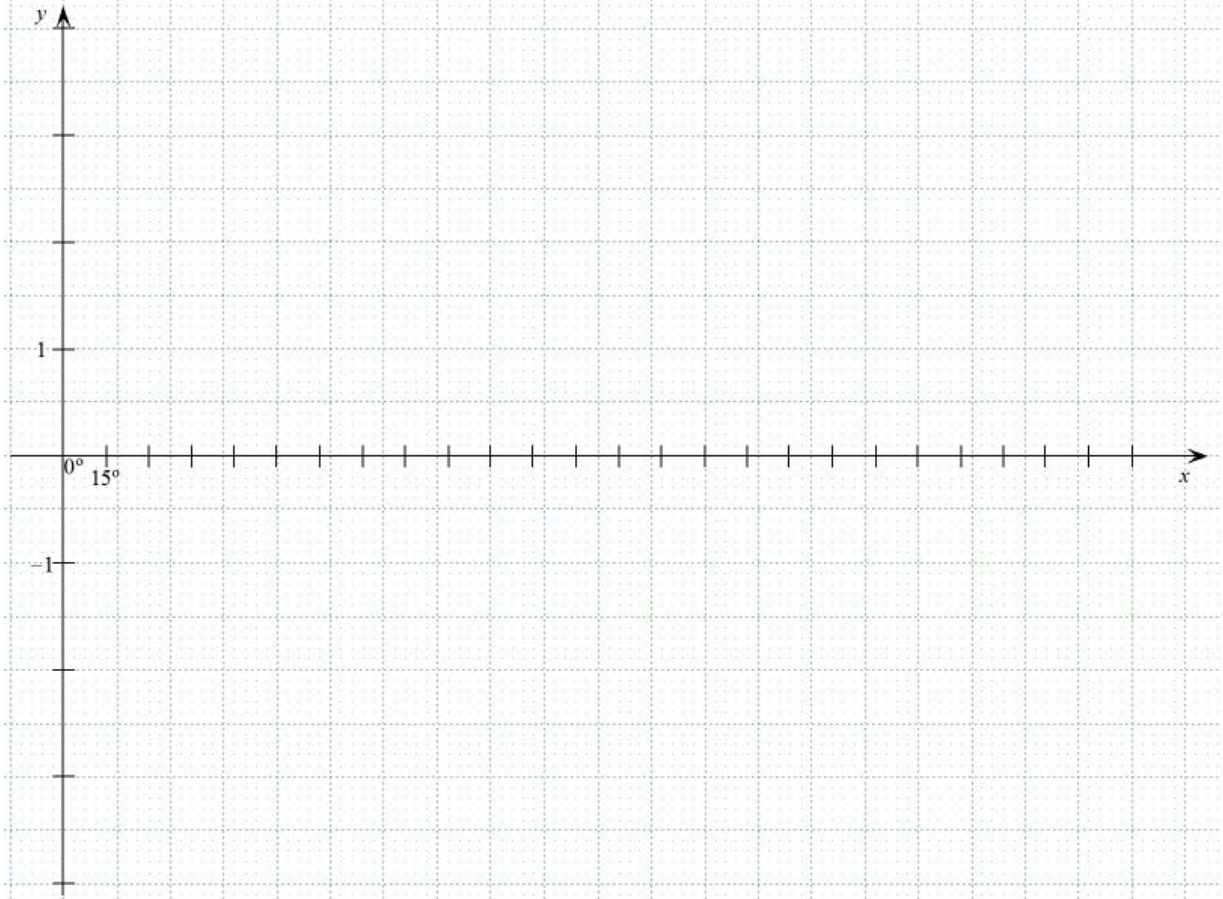


Función cosecante: $y = \operatorname{cosec} x = \frac{1}{\operatorname{sen} x}$

Completa la siguiente tabla (x viene dada en grados sexagesimales y en radianes), con dos decimales.

x	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
	0	$\frac{\pi}{12}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{5\pi}{12}$	$\frac{\pi}{2}$	$\frac{7\pi}{12}$	$\frac{2\pi}{3}$	$\frac{3\pi}{4}$	$\frac{5\pi}{6}$	$\frac{11\pi}{12}$	π
y	∞												∞

x	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	360°
	$\frac{13\pi}{12}$	$\frac{7\pi}{6}$	$\frac{5\pi}{4}$	$\frac{4\pi}{3}$	$\frac{17\pi}{12}$	$\frac{3\pi}{2}$	$\frac{19\pi}{12}$	$\frac{5\pi}{3}$	$\frac{7\pi}{4}$	$\frac{11\pi}{6}$	$\frac{23\pi}{12}$	2π
y												∞



Función secante: $y = \sec x = \frac{1}{\cos x}$

Completa la siguiente tabla (x viene dada en grados sexagesimales y en radianes), con dos decimales.

x	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
	0	$\frac{\pi}{12}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{5\pi}{12}$	$\frac{\pi}{2}$	$\frac{7\pi}{12}$	$\frac{2\pi}{3}$	$\frac{3\pi}{4}$	$\frac{5\pi}{6}$	$\frac{11\pi}{12}$	π
y							∞						

x	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	360°
	$\frac{13\pi}{12}$	$\frac{7\pi}{6}$	$\frac{5\pi}{4}$	$\frac{4\pi}{3}$	$\frac{17\pi}{12}$	$\frac{3\pi}{2}$	$\frac{19\pi}{12}$	$\frac{5\pi}{3}$	$\frac{7\pi}{4}$	$\frac{11\pi}{6}$	$\frac{23\pi}{12}$	2π
y						∞						

Función cotangente: $y = \cotg x = \frac{1}{\operatorname{tg} x}$

Completa la siguiente tabla (x viene dada en grados sexagesimales y en radianes)

x	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
	0	$\frac{\pi}{12}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{5\pi}{12}$	$\frac{\pi}{2}$	$\frac{7\pi}{12}$	$\frac{2\pi}{3}$	$\frac{3\pi}{4}$	$\frac{5\pi}{6}$	$\frac{11\pi}{12}$	π
y	∞												∞

x	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	360°
	$\frac{13\pi}{12}$	$\frac{7\pi}{6}$	$\frac{5\pi}{4}$	$\frac{4\pi}{3}$	$\frac{17\pi}{12}$	$\frac{3\pi}{2}$	$\frac{19\pi}{12}$	$\frac{5\pi}{3}$	$\frac{7\pi}{4}$	$\frac{11\pi}{6}$	$\frac{23\pi}{12}$	2π
y												∞

