

# TRIGONOMETRIC FUNCTIONS REFERENCE CHART

FUNCTION	SYMMETRY (TYPE)	DOMAIN	RANGE
$\sin(x)$	Origin (Odd)	$(-\infty, \infty)$	$[-1, 1]$
$\cos(x)$	y-axis (Even)	$(-\infty, \infty)$	$[-1, 1]$
$\tan(x)$	Origin (Odd)	$x \neq \pi/2 + n\pi$	$(-\infty, \infty)$
$\csc(x)$	Origin (Odd)	$x \neq n\pi$	$(-\infty, -1] \cup [1, \infty)$
$\sec(x)$	y-axis (Even)	$x \neq \pi/2 + n\pi$	$(-\infty, -1] \cup [1, \infty)$
$\cot(x)$	Origin (Odd)	$x \neq n\pi$	$(-\infty, \infty)$

$n = \text{any integer}$

Period:  $2\pi$  (sin, cos, sec) | Period:  $\pi$  (tan, cot)