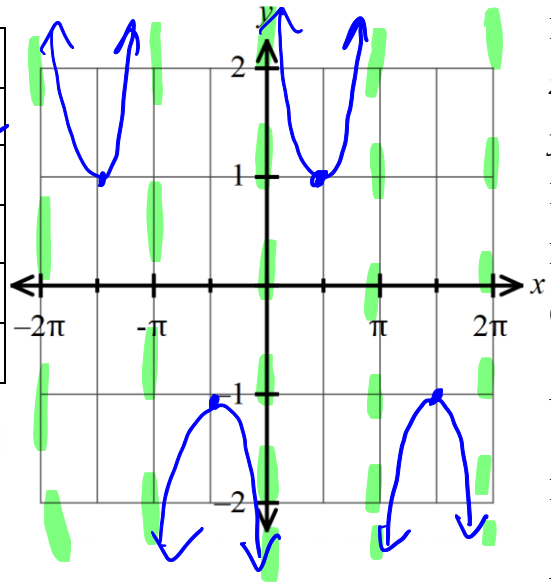
Name of Graph: cosecant

Equation: $y = \csc x$ $f(x) = \csc x$

x	$f(x)$
0	undef
$\pi/2$	1
π	undef
$3\pi/2$	-1
2π	undef



Key Features

Domain: $x \neq \pi k$

Range: $(-\infty, -1] \cup [1, \infty)$

x-intercept(s): none

y-intercept: none

Increasing: periodic

Decreasing: periodic

Constant: N/A

Vertical stretch: 1

Period: 2π

Asymptote equation: $x = \pi k$

Positive: periodic

Negative: periodic

Maximums /Minimums relative -1

Symmetry: odd

End Behavior:

$\lim_{x \to -\infty} f(x) =$ N/A

$\lim_{x \to \infty} f(x) =$ N/A

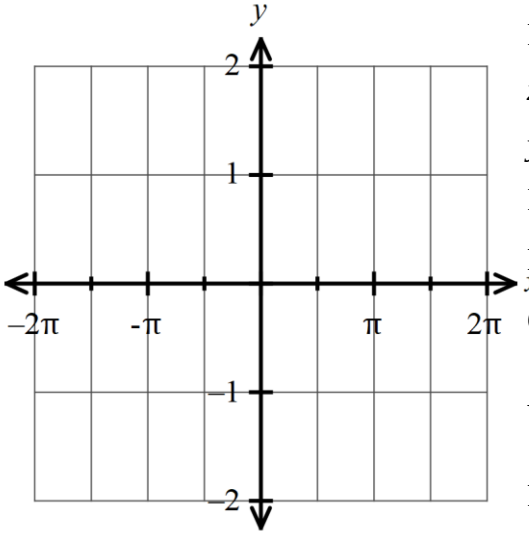
Vertical Shift: 0 midline $y = 0$

Phase Shift: 0

Name of Graph: _____

Equation: _____

x	$f(x)$



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Maximums /Minimums

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Vertical Shift:

Phase Shift:

Steps for solving cosecant equation:

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