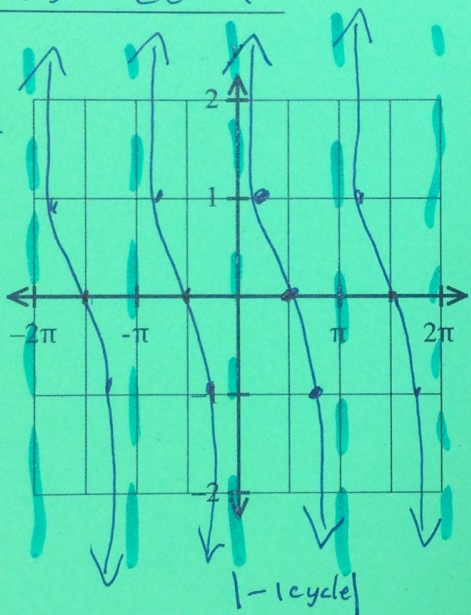


Name of Graph: cotangent

Equation: $f(x) = \cot x$

x	$f(x)$
0	undef
$\pi/4$	1
$\pi/2$	0
$3\pi/4$	-1
π	undef



Key Features

Domain: $x \neq \pi k$

Range: $(-\infty, \infty)$

x-intercept(s): $x = \frac{\pi}{2} + \pi k$

y-intercept: none

Increasing: none

Decreasing: $x \neq \pi k$

Constant: none

Vertical stretch: 1

Period: π

Asymptote equation:

$$x = \pi k$$

Positive: periodic

Negative: periodic

Maximums / Minimums

Symmetry: odd N/A

End Behavior:

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

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

Vertical Shift: 0

Phase Shift: 0