

Team 2

Graph each function

Team 1

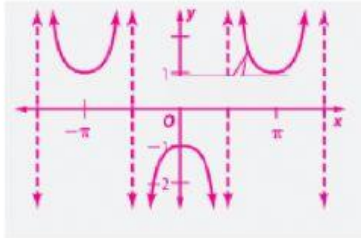
4A. $y = \csc 2x$

NOTE: if you want to write $-\frac{\pi}{4}$ write it like $-\pi/4$

4B. $y = \sec(x + \pi)$

Function	Vertical Asymptote	Relative Maximum	Vertical Asymptote	Relative Minimum	Vertical Asymptote
$y = \csc x$	$x = -\pi$	$(-\frac{\pi}{2}, -1)$	$x = 0$	$(\frac{\pi}{2}, 1)$	$x = \pi$
$y = \csc 2x$	$x =$	$(, -1)$	$x =$	$(, 1)$	$x =$

Two vertical asymptotes occur when $bx + c = -\pi$ and $bx + c = \pi$.

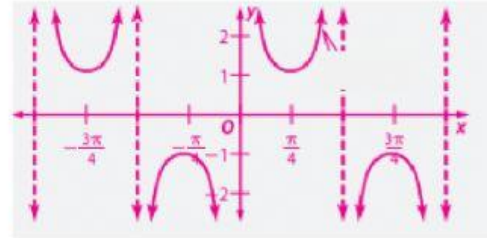


This graph for A) 4A

B) 4B

Function	Vertical Asymptote	Relative Minimum	Vertical Asymptote	Relative Maximum	Vertical Asymptote
$y = \sec x$	$x = -\frac{\pi}{2}$	$(0, 1)$	$x = \frac{\pi}{2}$	$(\pi, -1)$	$x = \frac{3\pi}{2}$
$y = \sec(x + \pi)$	$x =$	$(, 1)$	$x =$	$(, -1)$	$x =$

Two vertical asymptotes occur when $bx + c = -\frac{\pi}{2}$ and $bx + c = \frac{3\pi}{2}$.



This graph for A) 4A

B) 4B