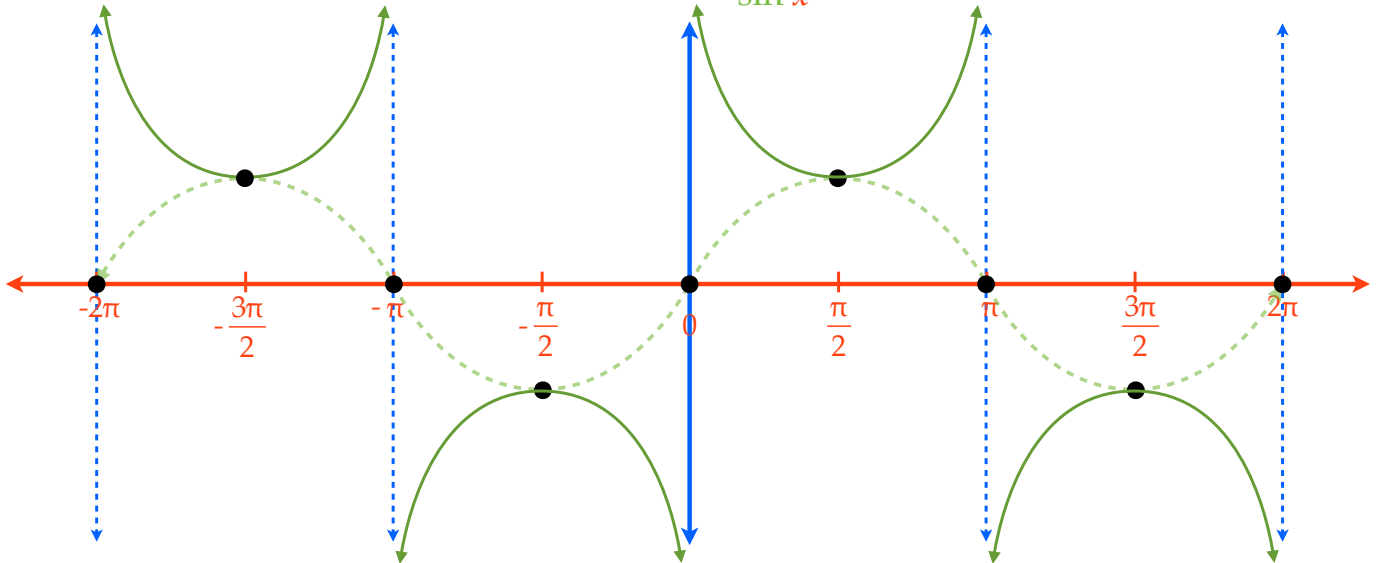


Graphing Cosecant and Secant Functions

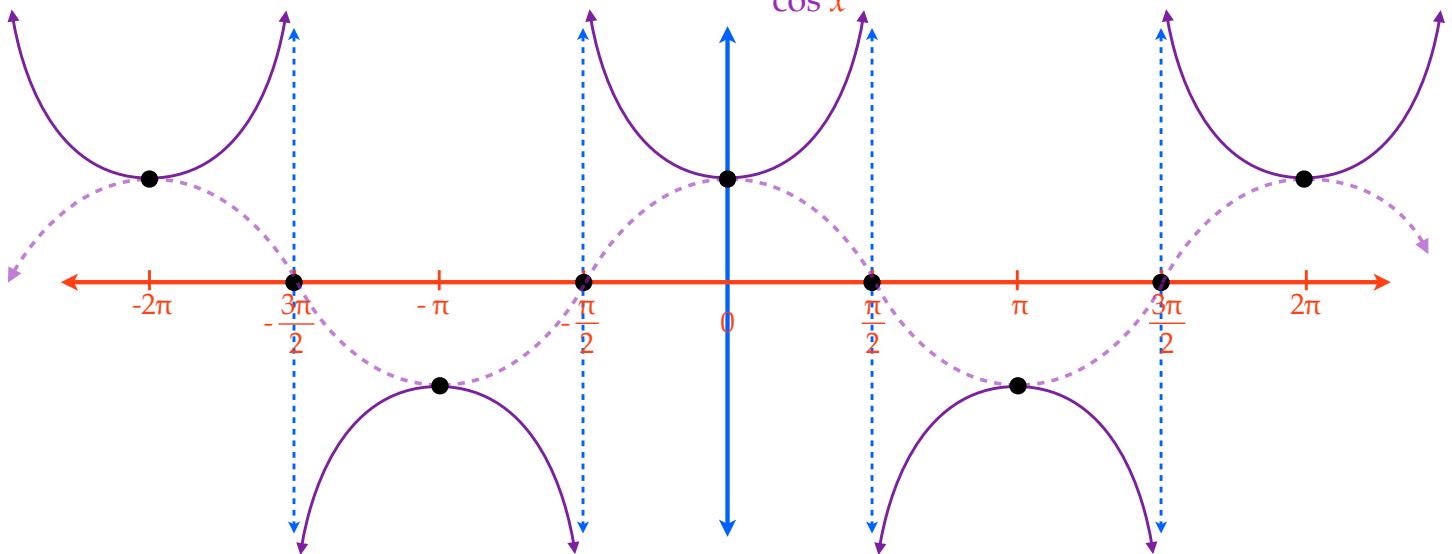
Name _____

Date _____ Period _____

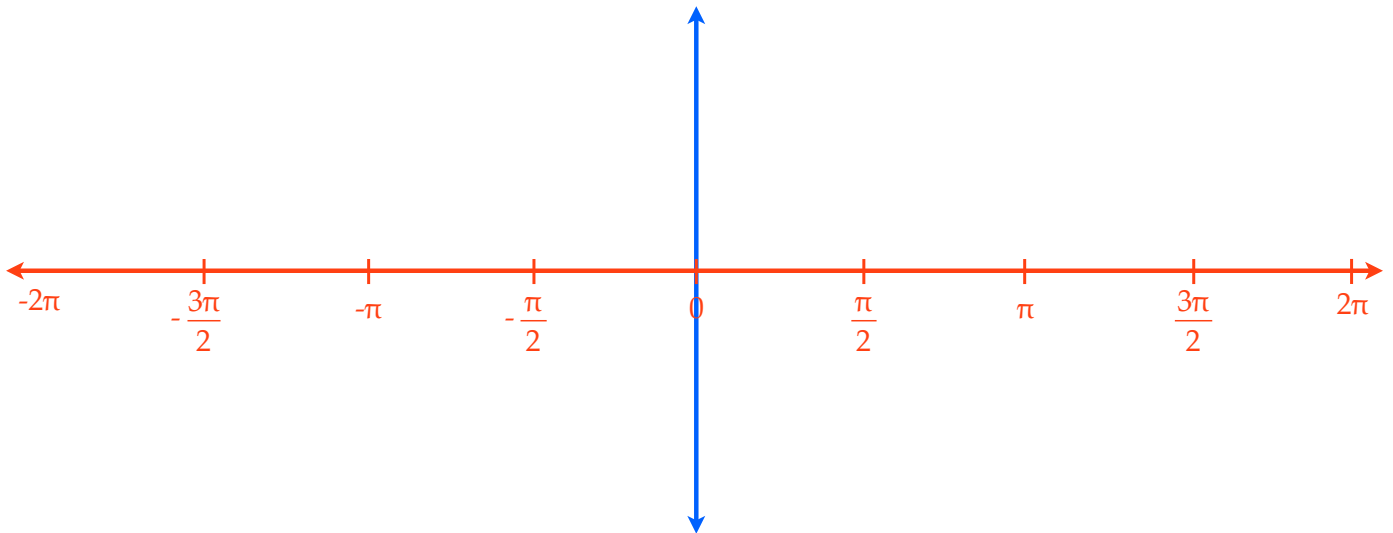
$$y = \csc x = \frac{1}{\sin x} \quad \text{when } \sin x = 0, \csc x \text{ is undefined}$$



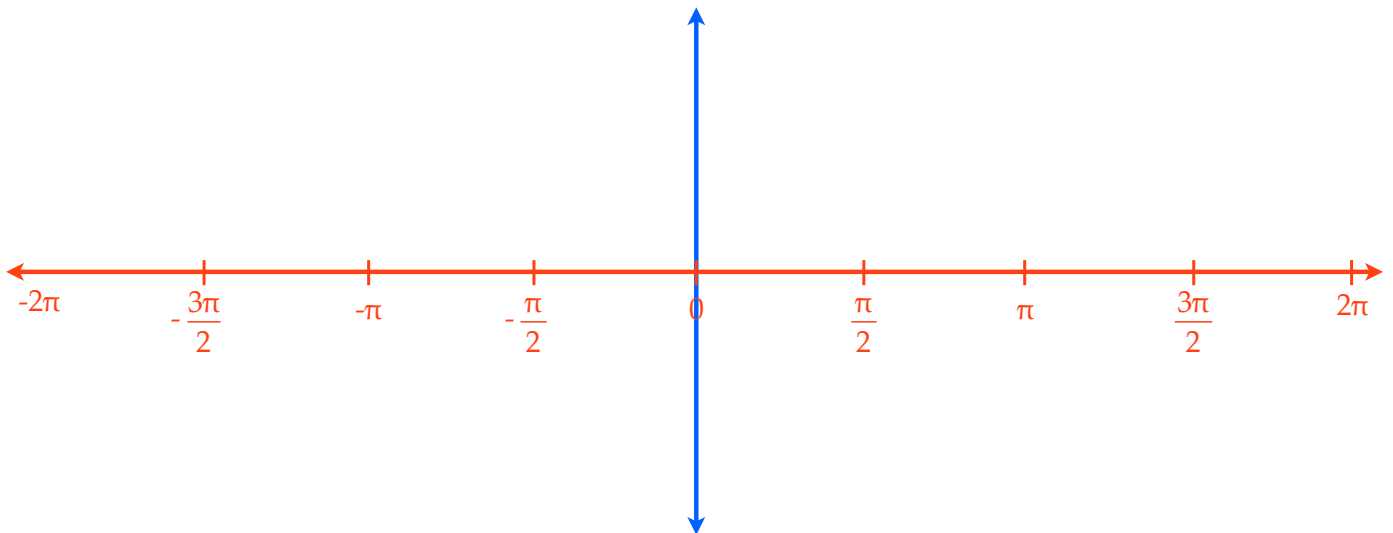
$$y = \sec x = \frac{1}{\cos x} \quad \text{when } \cos x = 0, \sec x \text{ is undefined}$$



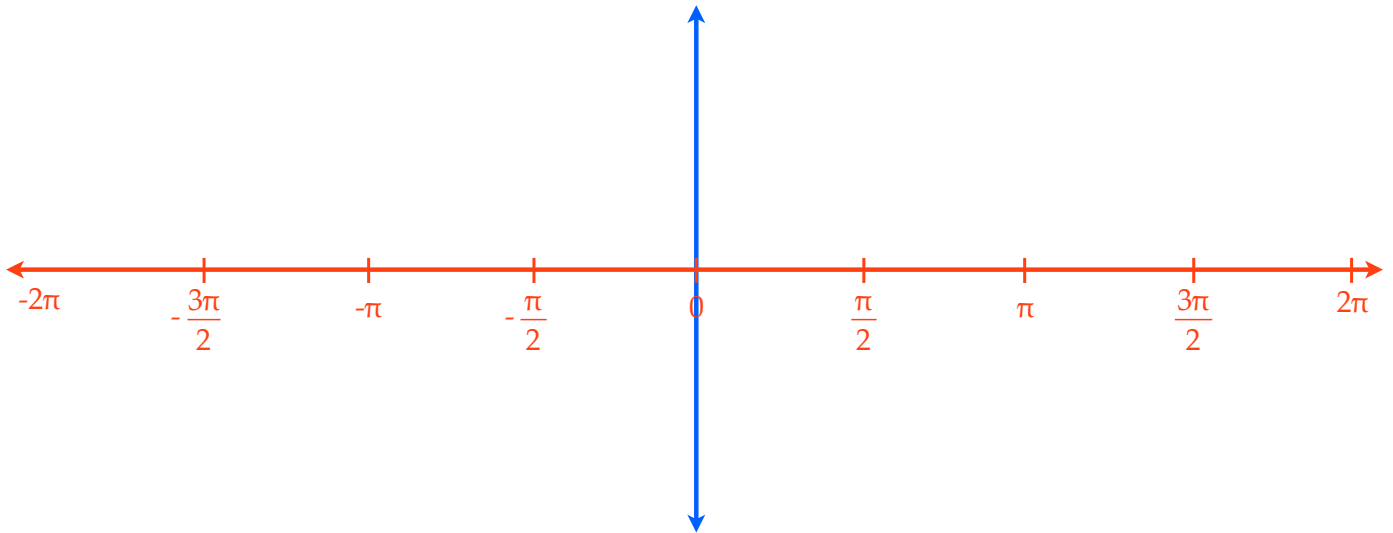
Graph $y = 2 \csc x$



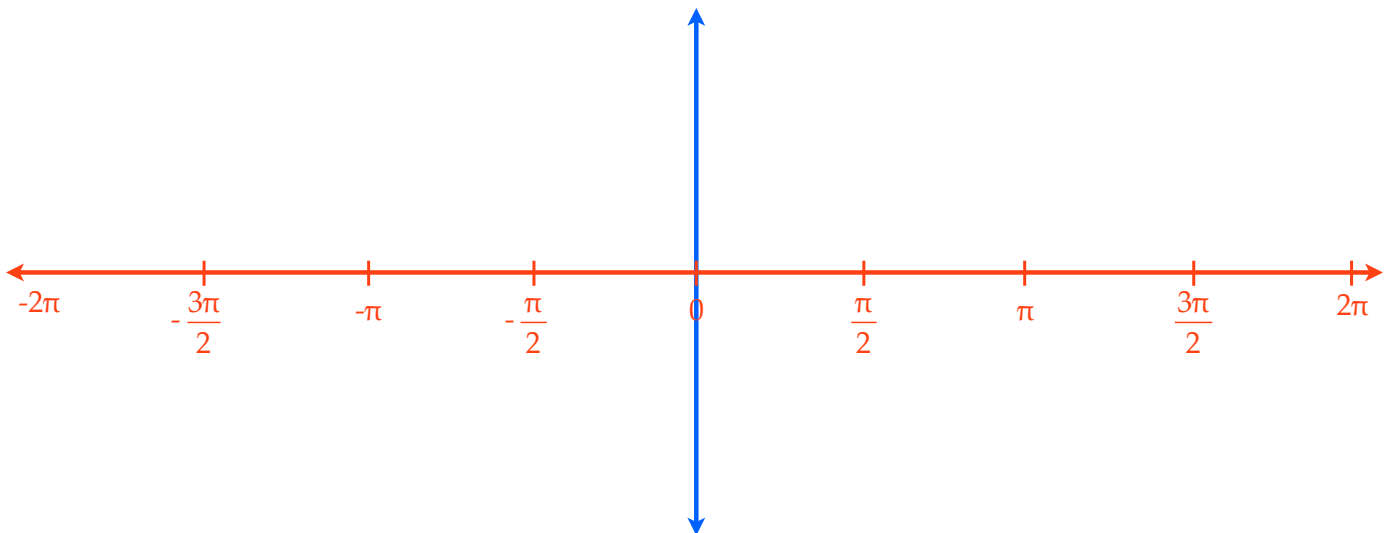
Graph $y = -3 \sec x$



Graph $y = 5 \csc \left(x - \frac{\pi}{4} \right)$



Graph $y = -4 \sec (x + \pi) - 1$



$$y = \csc x = \frac{1}{\sin x}$$

Graph $y = \csc x$

Graph $y = \sin x$

$$y = \sec x = \frac{1}{\cos x}$$

Graph $y = \sec x$

Graph $y = \cos x$