

UNIT 6 WORKSHEET 20
GRAPHING COSECANT FUNCTIONS

COSECANT FUNCTIONS

Standard Form: $y = a \csc(bx - c) + d$

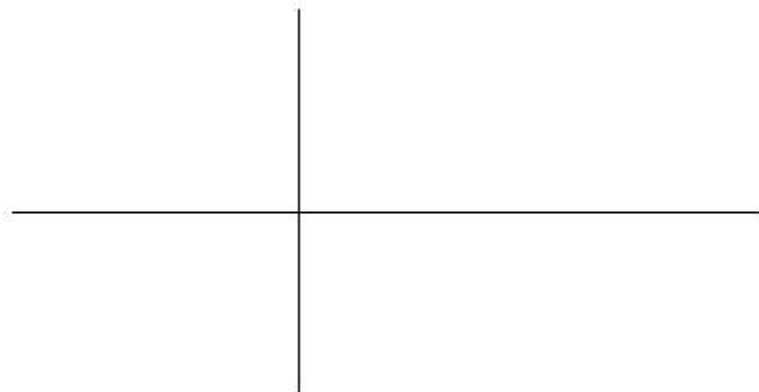
Amplitude:

Period:

Phase Shift:

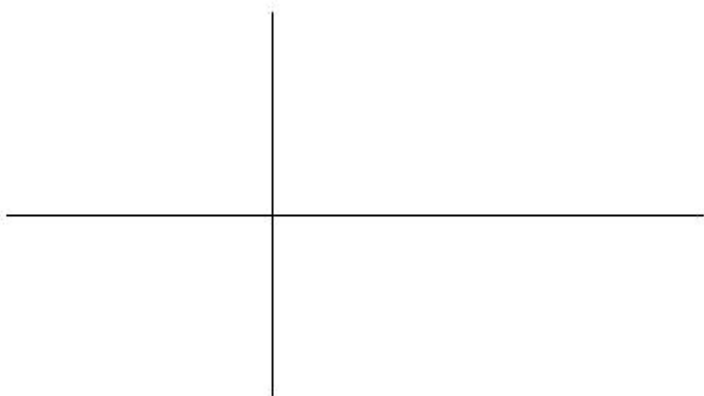
Initial Interval:

Parent Function $y = \csc x$



Practice Problems

$$y = \csc\left(\frac{x}{2} - \pi\right)$$



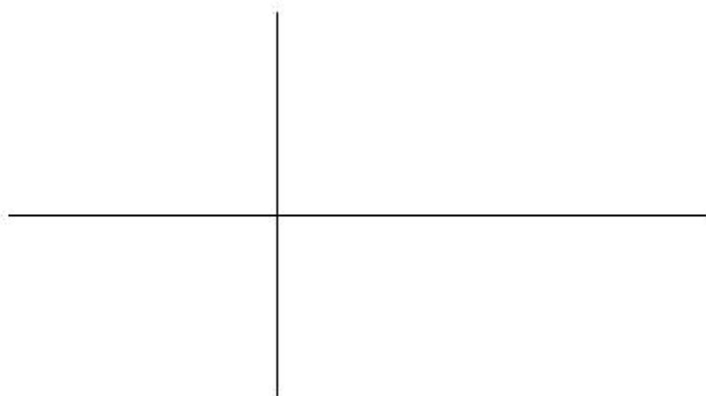
Amplitude:

Period:

Phase Shift:

Initial Interval:

$$y = -\csc(2x - \pi)$$



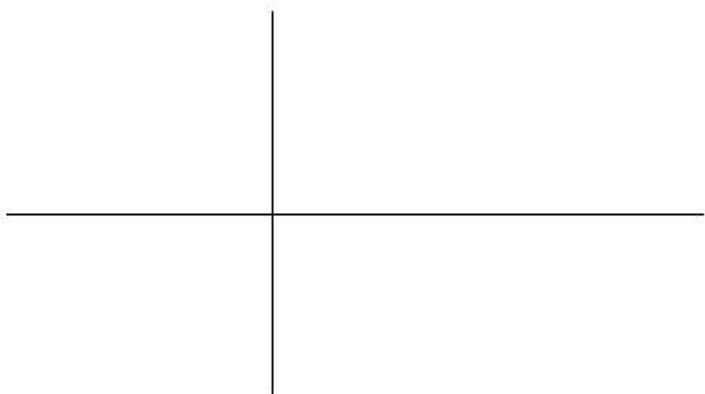
Amplitude:

Period:

Phase Shift:

Initial Interval:

$$y = 2 \csc\left(x + \frac{\pi}{2}\right)$$



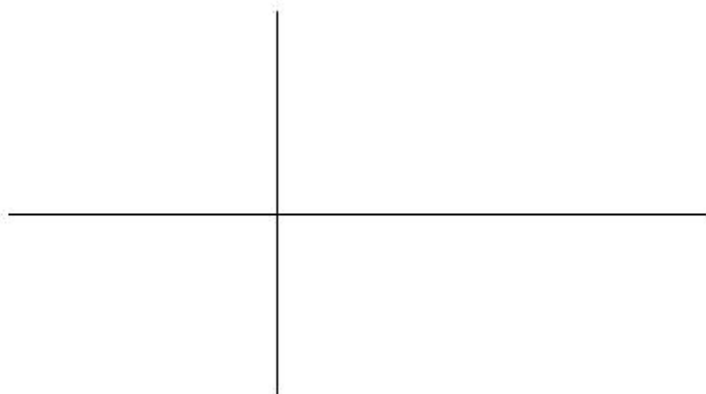
Amplitude:

Period:

Phase Shift:

Initial Interval:

$$y = -\csc\left(x + \frac{\pi}{4}\right) + 1$$



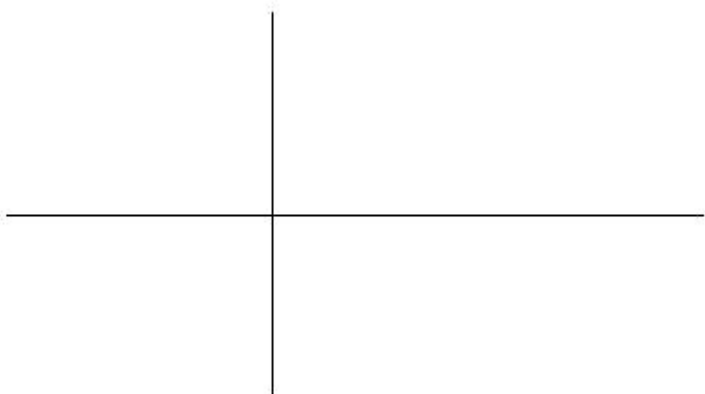
Amplitude:

Period:

Phase Shift:

Initial Interval:

$$y = \csc\left(\frac{2x}{3}\right)$$



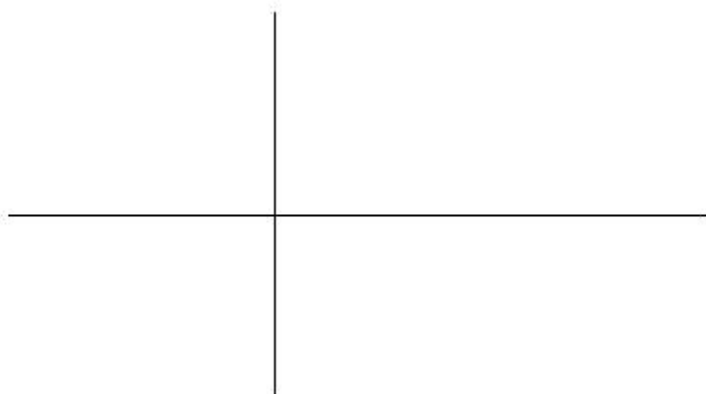
Amplitude:

Period:

Phase Shift:

Initial Interval:

$$y = 3 \csc(2x + \pi) - 1$$



Amplitude:

Period:

Phase Shift:

Initial Interval: