

Name:

Date:

Practice Graphing Sine and Cosecant

$$y = 2 \sin(2x - \pi) - 3$$

Amplitude:

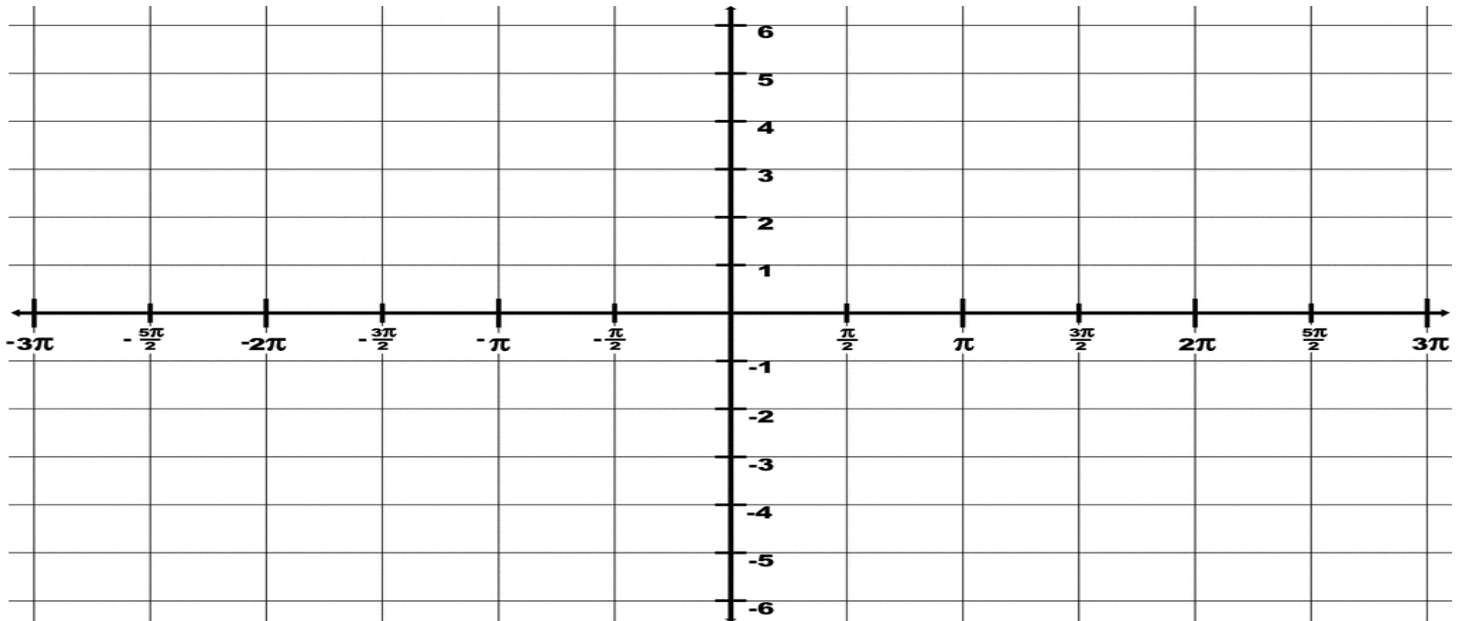
Phase/Horizontal Shift:

Vertical Shift:

Left Endpoint:

Period:

Right Endpoint:



$$y = 3 \sin\left(x + \frac{\pi}{4}\right) + 1$$

Amplitude:

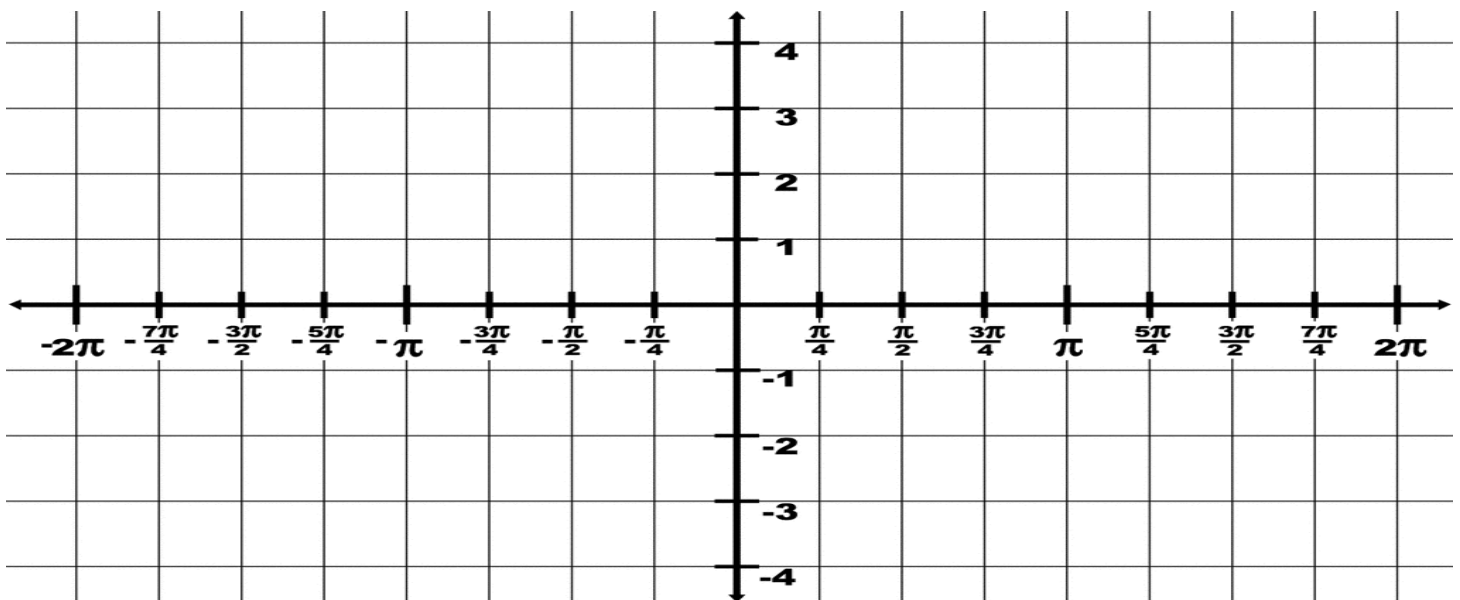
Phase Shift:

Vertical Shift:

Left Endpoint:

Period:

Right Endpoint:



$$y = \csc\left(\frac{x}{2}\right) + 1$$

Amplitude:

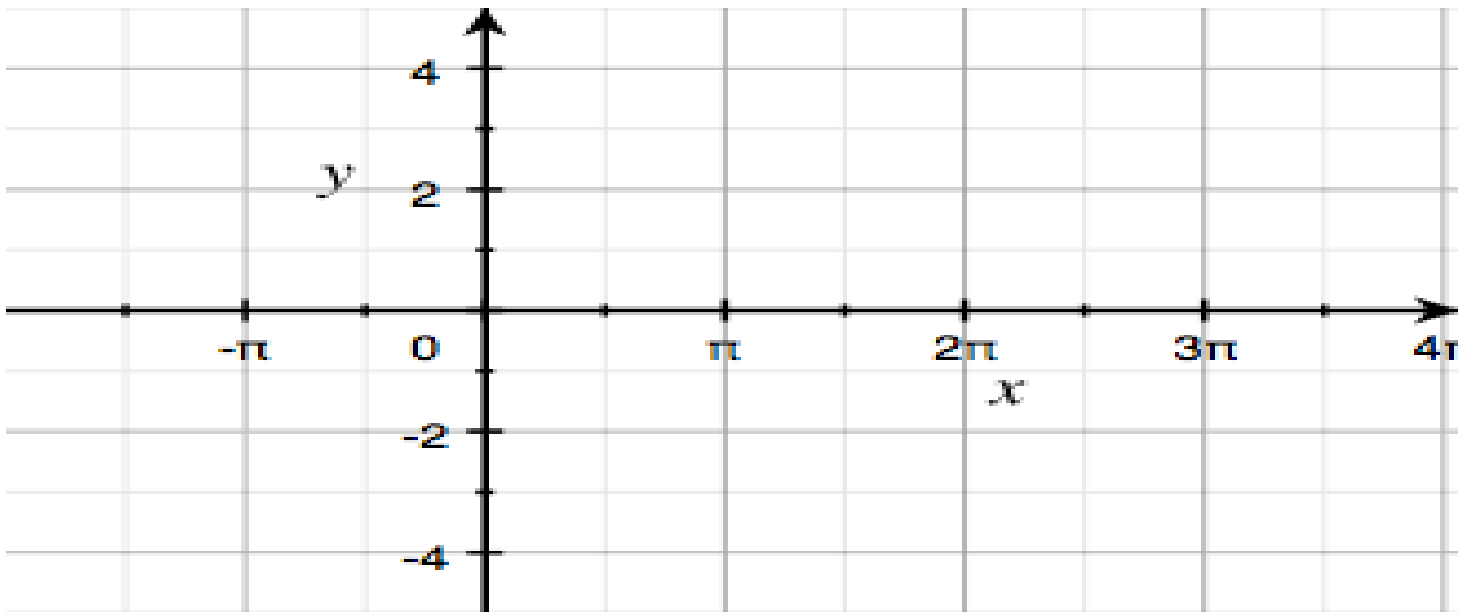
Vertical Shift:

Period:

Phase Shift:

Left Endpoint:

Right Endpoint:



$$y = -3 \csc\left(x - \frac{\pi}{4}\right) + 1$$

Amplitude:

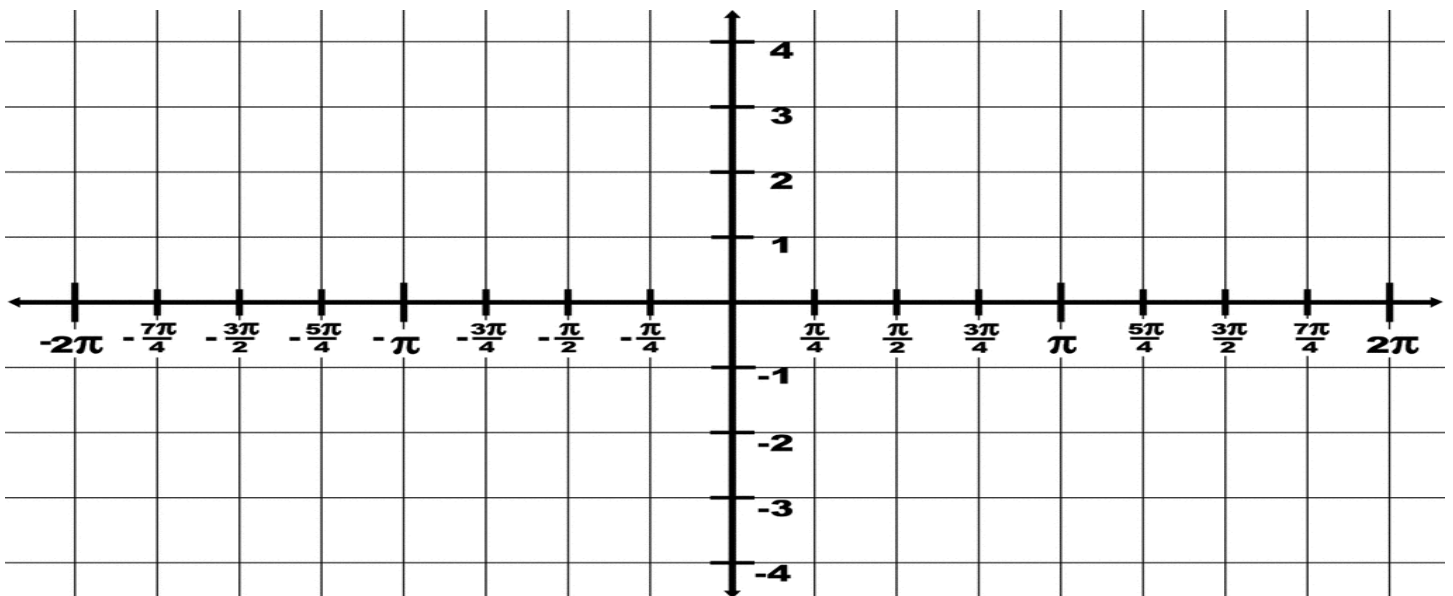
Vertical Shift:

Period:

Phase Shift:

Left Endpoint:

Right Endpoint:



Name:

Date:

Practice Graphing Cosine and Secant

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

Amplitude:

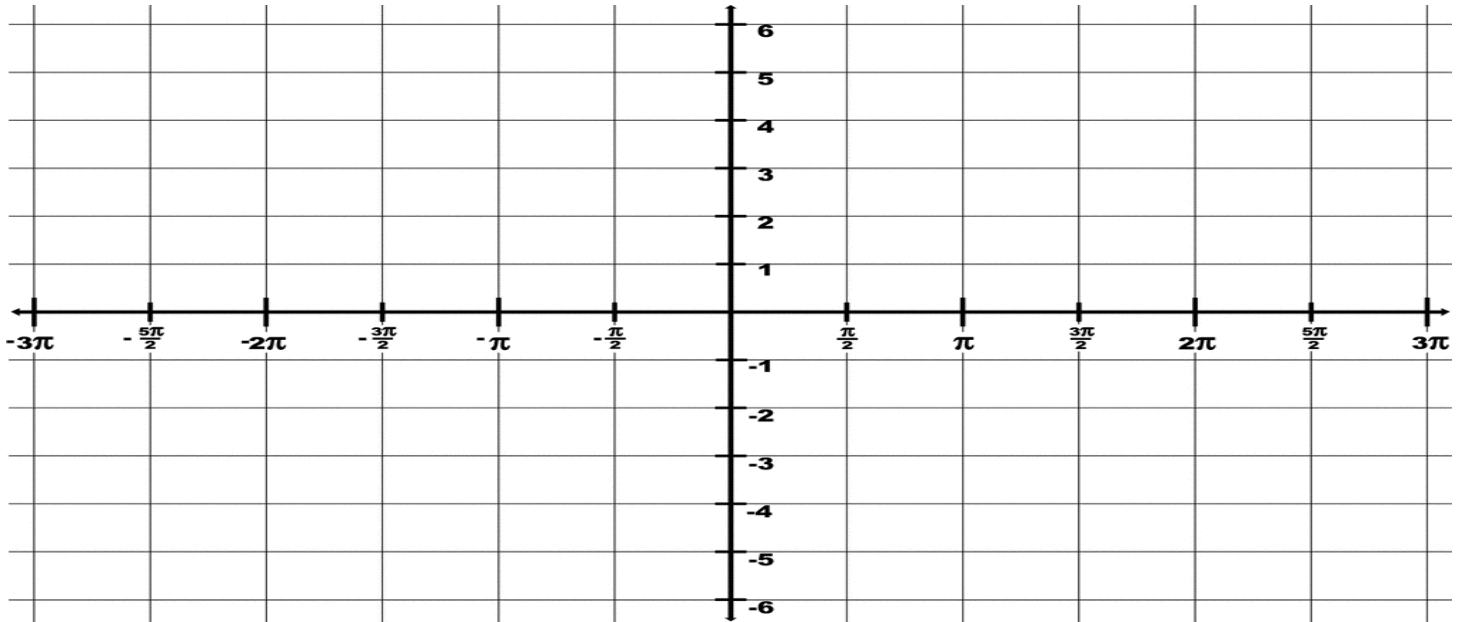
Phase Shift:

Vertical Shift:

Left Endpoint:

Period:

Right Endpoint:



$$y = 2 \cos\left(2x + \frac{\pi}{2}\right) + 1$$

Amplitude:

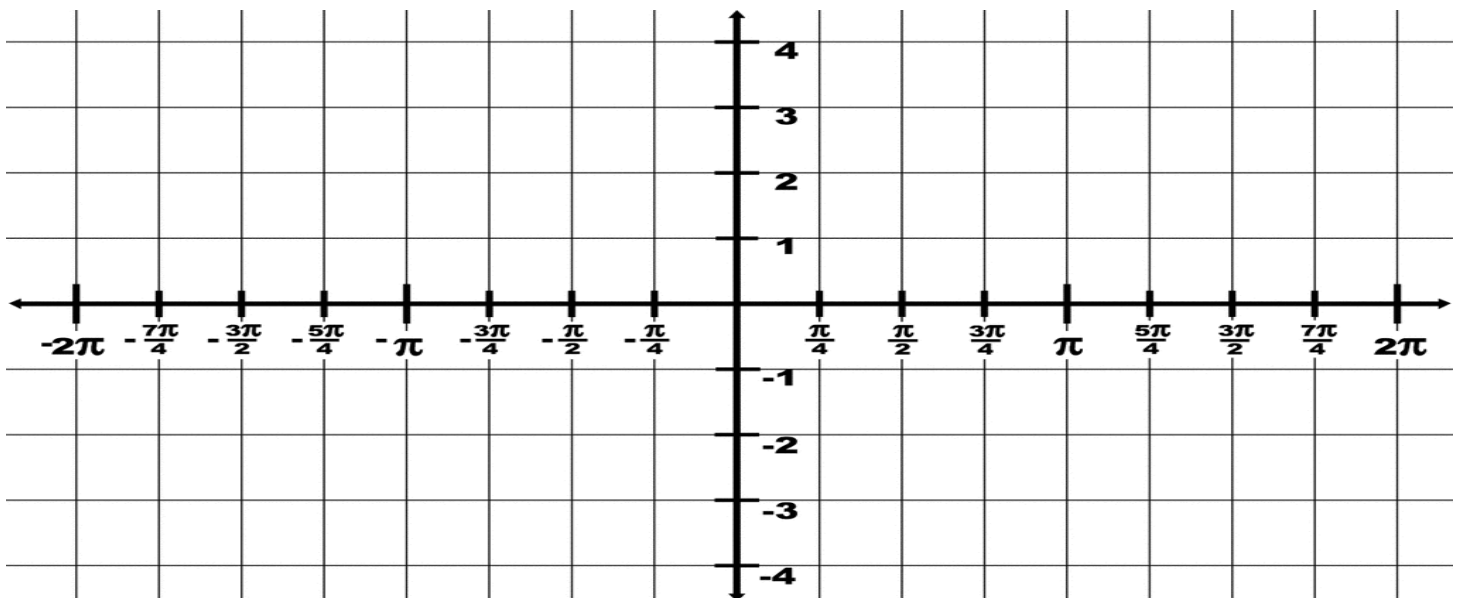
Phase Shift:

Vertical Shift:

Left Endpoint:

Period:

Right Endpoint:



$$y = 3\sec\left(\frac{x}{2}\right) - 1$$

Amplitude:

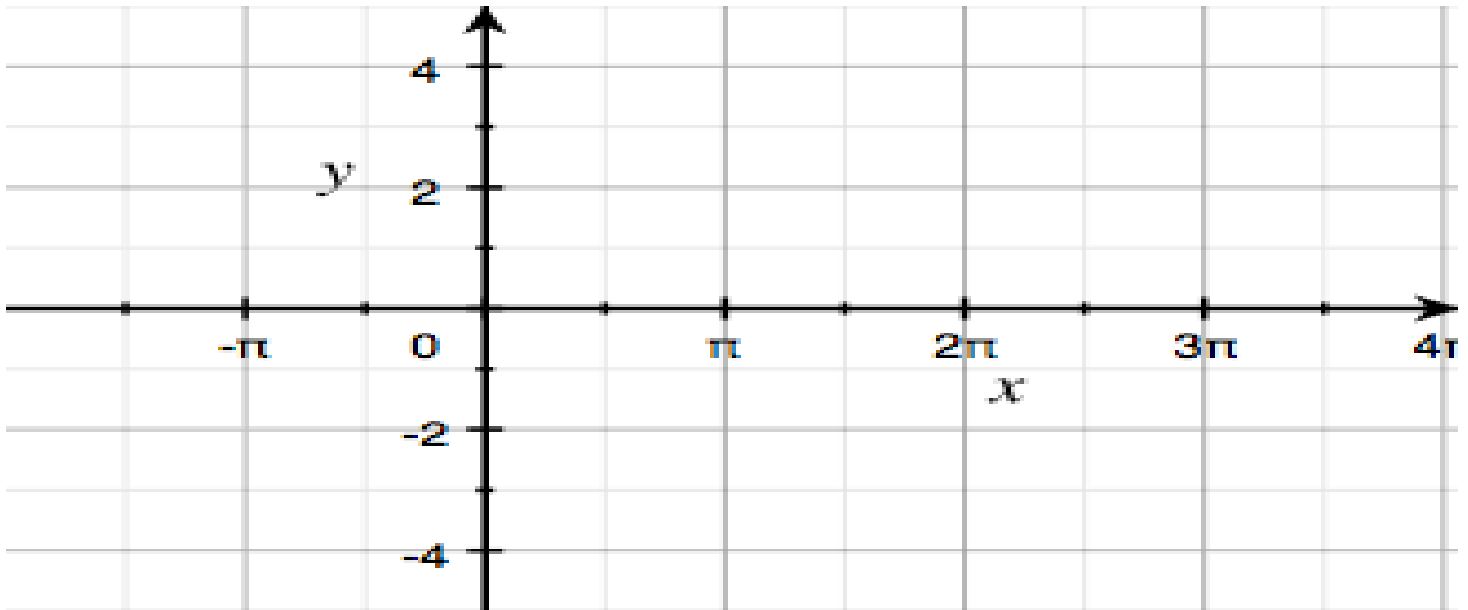
Vertical Shift:

Period:

Phase Shift:

Left Endpoint:

Right Endpoint:



$$y = -4\sec\left(x - \frac{\pi}{4}\right)$$

Amplitude:

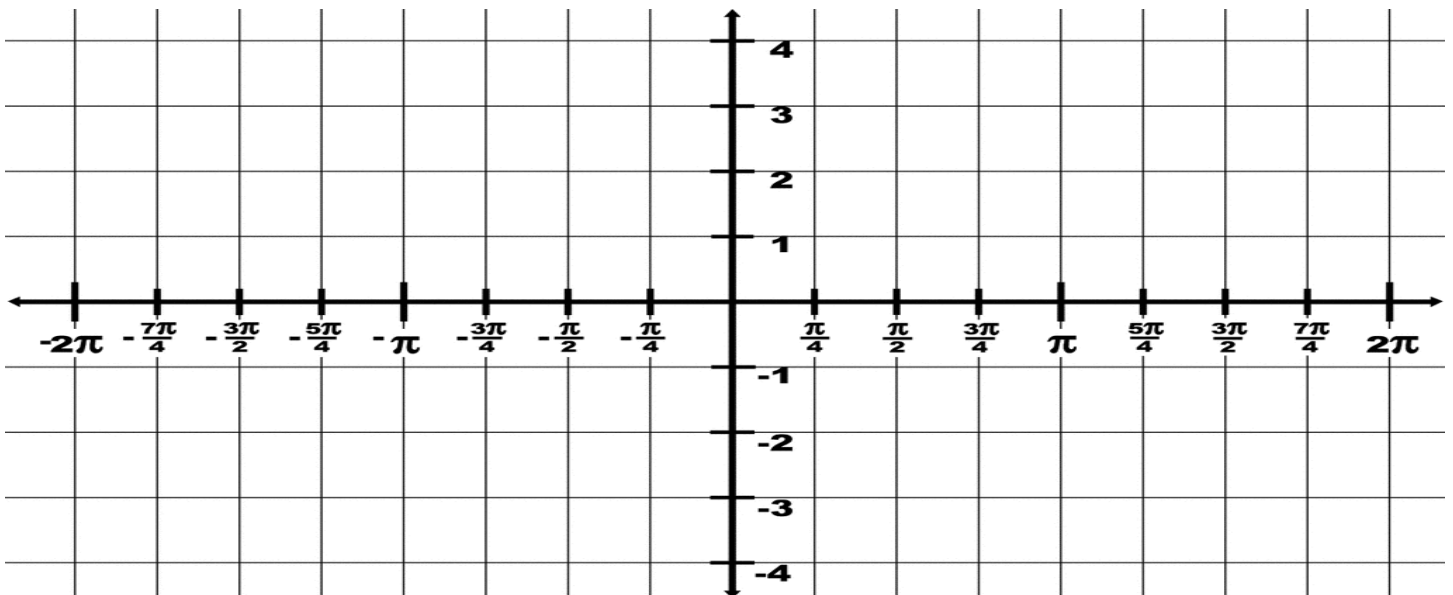
Vertical Shift:

Period:

Phase Shift:

Left Endpoint:

Right Endpoint:



Graphing all Functions

1. $y = -\frac{1}{2}\sin\left(x - \frac{\pi}{4}\right)$

Amplitude:

Vertical Shift:

Period:

Phase Shift:

Left Endpoint:

Right Endpoint:



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

Amplitude:

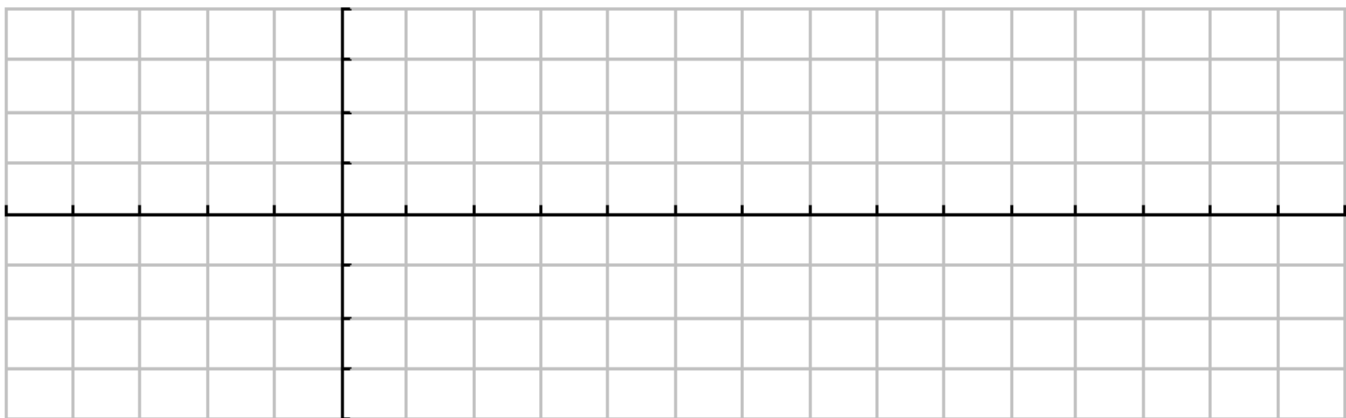
Vertical Shift:

Period:

Phase Shift:

Left Endpoint:

Right Endpoint:



3. $y = 2 \cos(2x) - 5$

Amplitude:

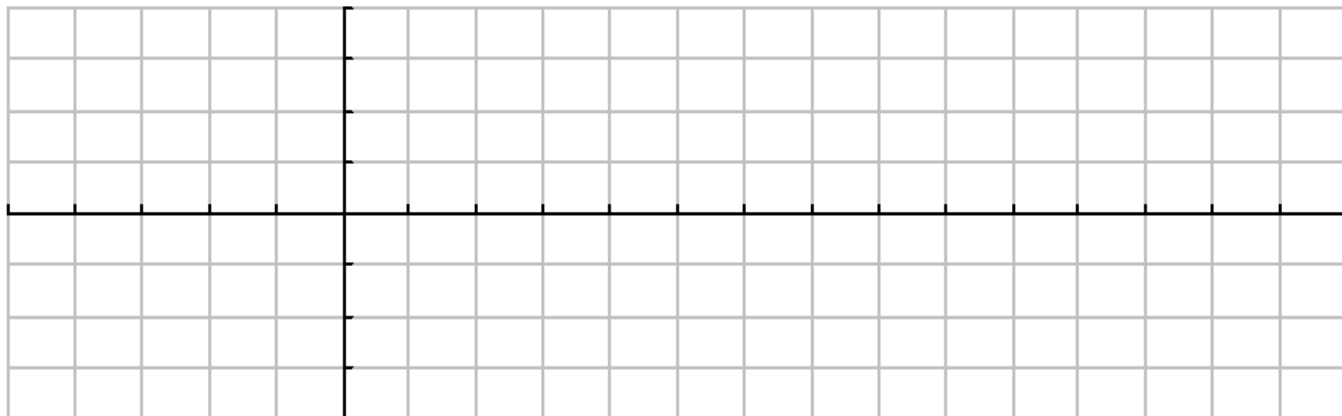
Vertical Shift:

Period:

Phase Shift:

Left Endpoint:

Right Endpoint:



4. $y = -2 \sec(4x - \frac{\pi}{2}) + 3$

Amplitude:

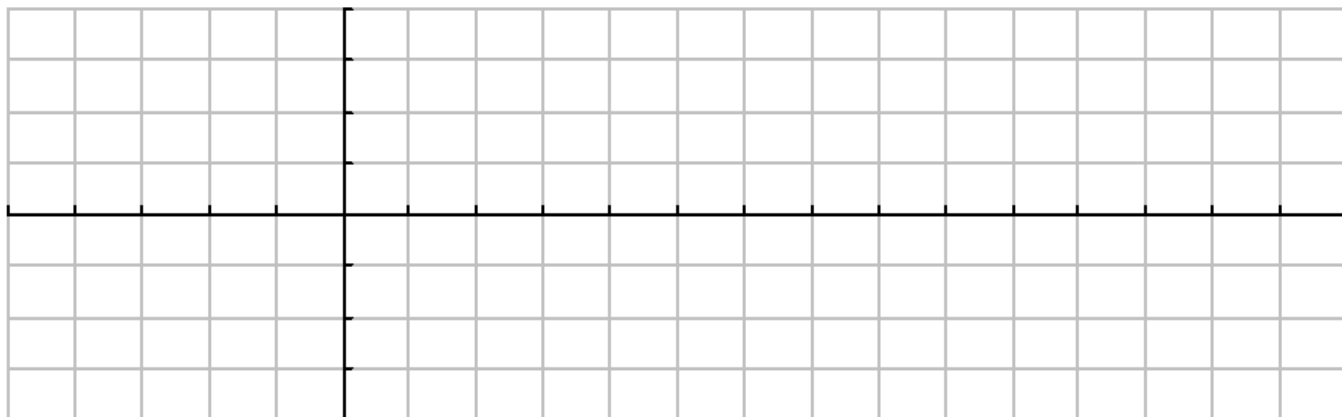
Vertical Shift:

Period:

Phase Shift:

Left Endpoint:

Right Endpoint:



5. $y = 2 \sin\left(\frac{x}{2} + \frac{\pi}{4}\right)$

Amplitude:

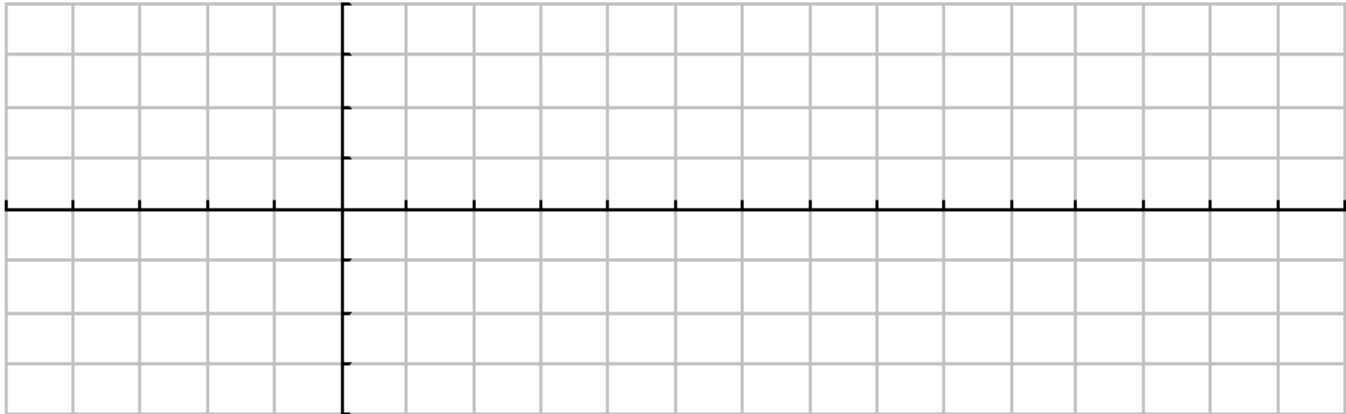
Vertical Shift:

Period:

Phase Shift:

Left Endpoint:

Right Endpoint:



6. $y = 4 \cos\left(\frac{x}{2}\right) + 2$

Amplitude:

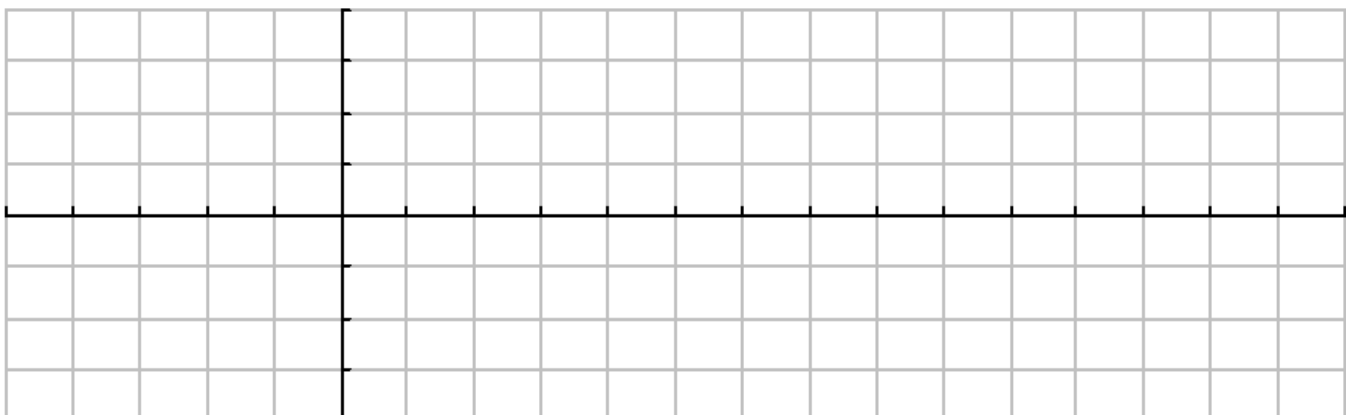
Vertical Shift:

Period:

Phase Shift:

Left Endpoint:

Right Endpoint:



Graphing Tangent Functions

1. $y = \tan(x - \frac{\pi}{4})$

Amplitude:

Vertical Shift:

Phase Shift:

Starting Point:

Period:

Half Period:

Left Asymptote:

Right Asymptote:



2. $y = \cot x + 2$

Amplitude:

Vertical Shift:

Phase Shift:

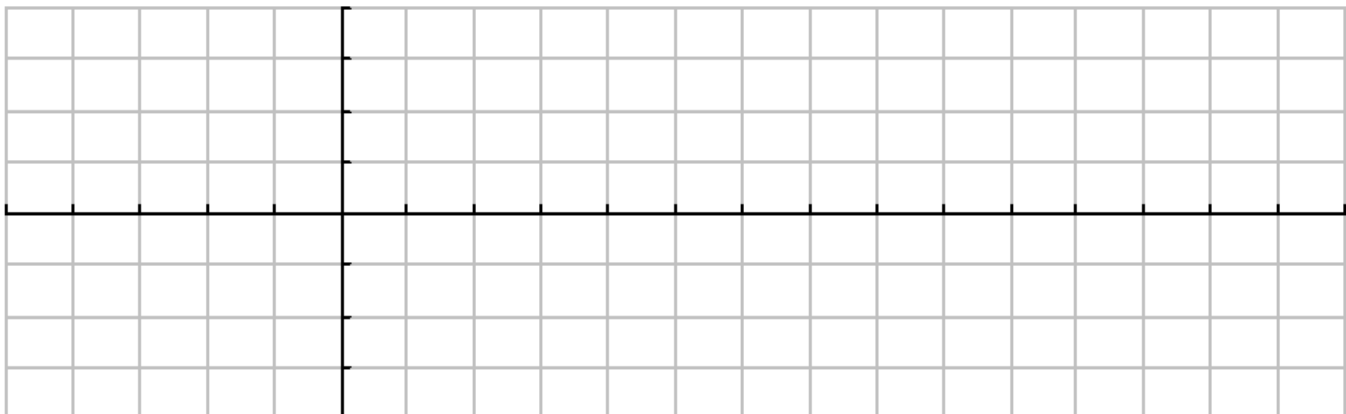
Starting Point:

Period:

Half Period:

Left Asymptote:

Right Asymptote:



3. $y = -\tan(x + \pi) - 1$

Amplitude:

Vertical Shift:

Phase Shift:

Starting Point:

Period:

Half Period:

Left Asymptote:

Right Asymptote:



4. $y = \frac{1}{2} \cot(x - \frac{\pi}{4}) + 2$

Amplitude:

Vertical Shift:

Phase Shift:

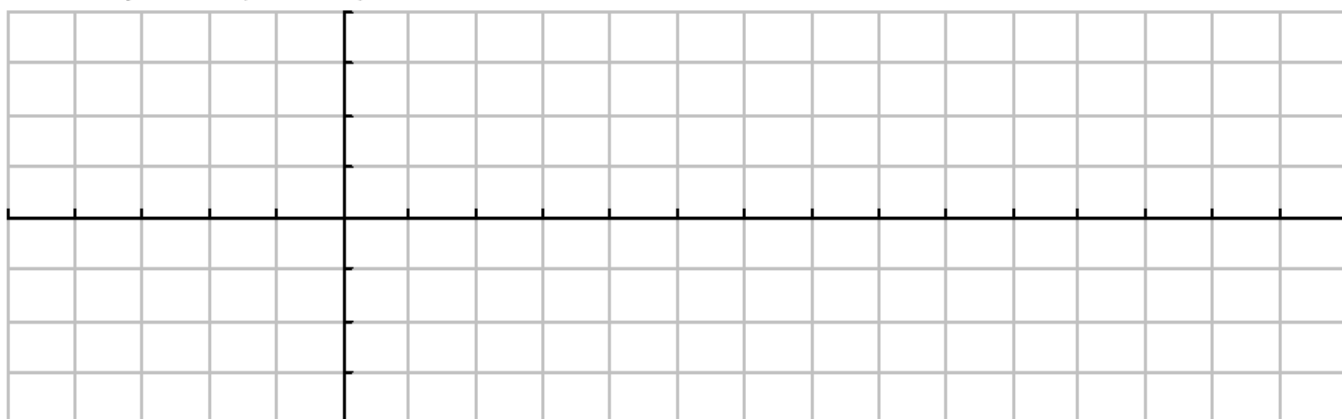
Starting Point:

Period:

Half Period:

Left Asymptote:

Right Asymptote:



Name:

Date:

1. $y = \tan(2x) + 1$

Amplitude:

Vertical Shift:

Phase Shift:

Starting Point:

Period:

Half Period:

Left Asymptote:

Right Asymptote:



2. $y = 3 \cot(\frac{1}{2}x) - 2$

Amplitude:

Vertical Shift:

Phase Shift:

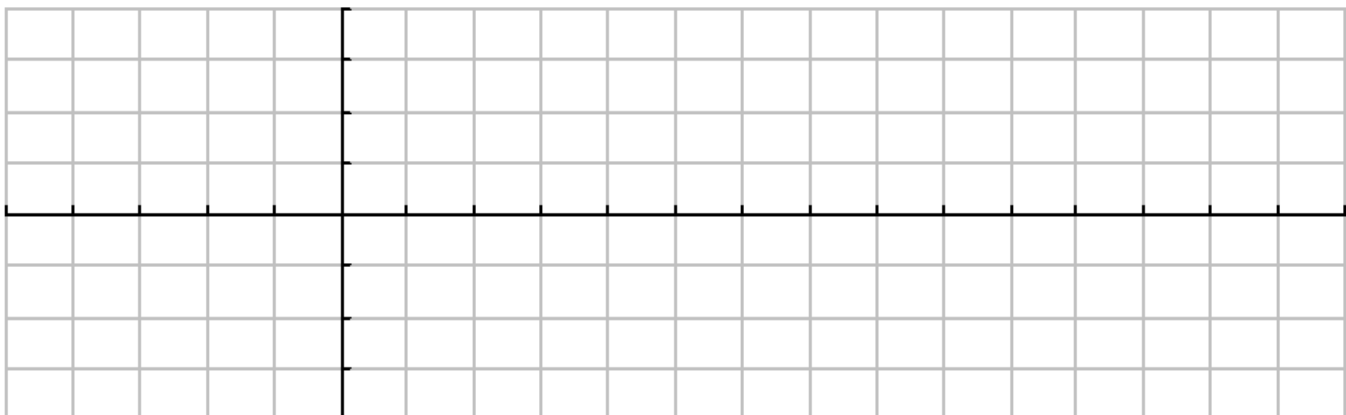
Starting Point:

Period:

Half Period:

Left Asymptote:

Right Asymptote:



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

Amplitude:

Vertical Shift:

Phase Shift:

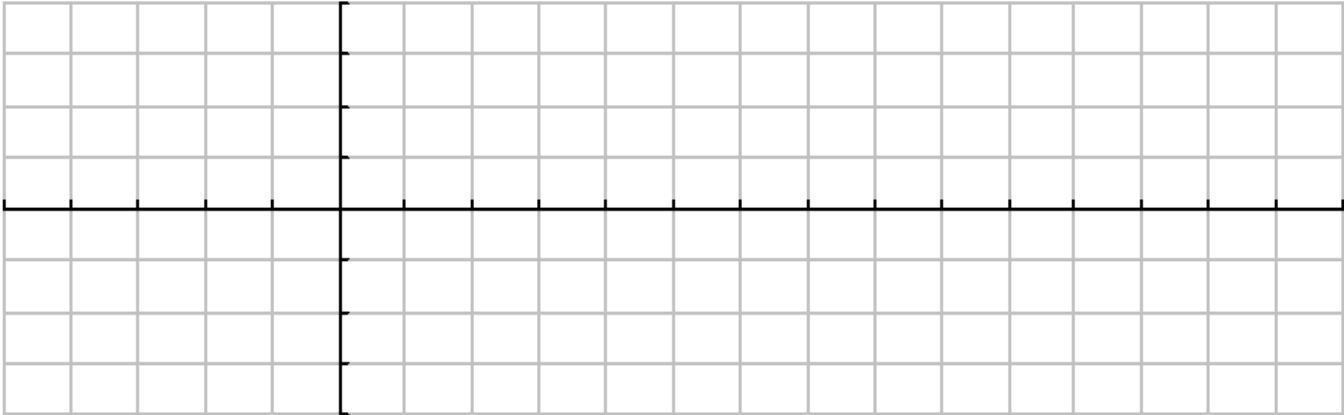
Starting Point:

Period:

Half Period:

Left Asymptote:

Right Asymptote:



4. $y = 3 \cot(x - \frac{\pi}{4}) - 1$

Amplitude:

Vertical Shift:

Phase Shift:

Starting Point:

Period:

Half Period:

Left Asymptote:

Right Asymptote:

