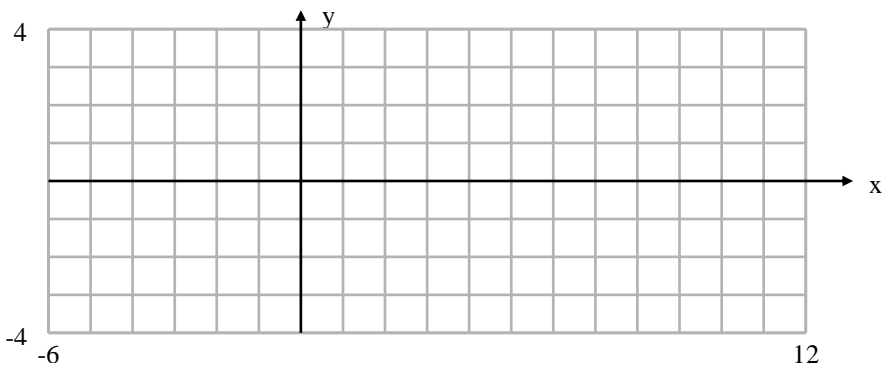


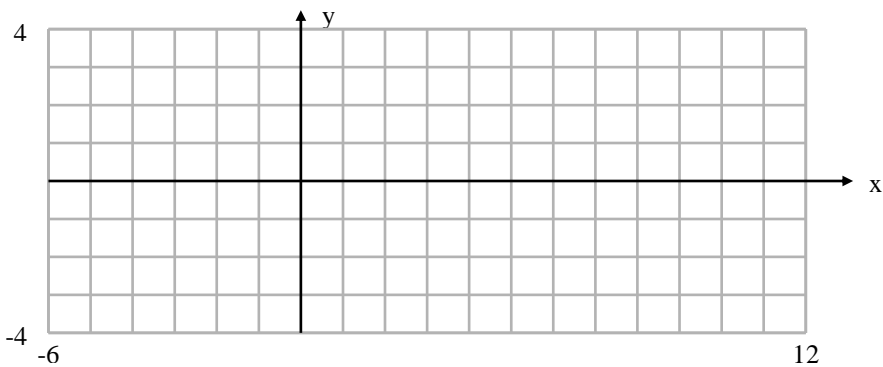
1. Describe the graph of the function in terms of a basic trig function. Then graph two periods of the function.

$$y = \csc 2x$$



2. Describe the graph of the function in terms of a basic trig function. Then graph two periods of the function.

$$y = 3\sec 4x$$



3. Using reference triangles in the given quadrants to solve for x.

$$\csc x = \frac{2\sqrt{3}}{3}$$

$$\frac{\pi}{2} \leq x \leq \pi$$

4. Using reference triangles in the given quadrants to solve for x.

$$\sec x = -\sqrt{2}$$

$$\pi \leq x \leq \frac{3\pi}{2}$$

5. Using reference triangles in the given quadrants to solve for x.

$$\cot x = \sqrt{3}$$

$$\pi \leq x \leq \frac{3\pi}{2}$$

6. Use a calculator to solve for x in the given interval.

$$\sec x = 2.4 \qquad 0 \leq x \leq \frac{\pi}{2}$$

7. Use a calculator to solve for x in the given interval.

$$\tan x = 0.3 \qquad 0 \leq x \leq 2\pi$$