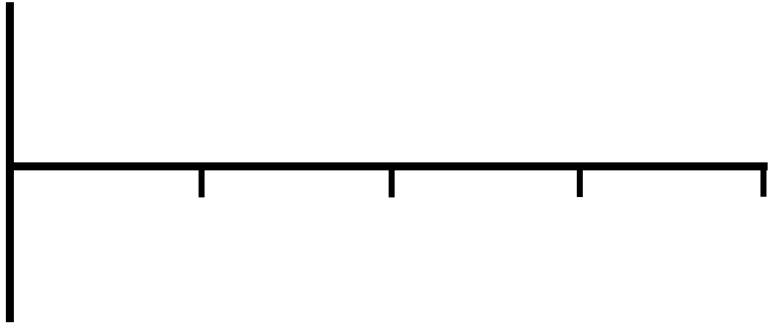


1. Complete the table below for $y = -4\sin x$. Then label your axes and draw the graph!

x	y



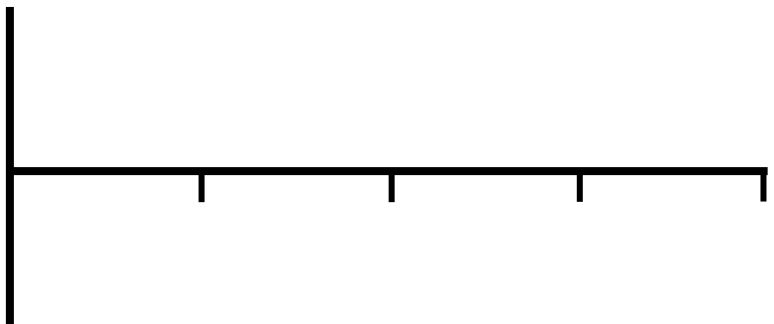
What is the amplitude of $y = -4\sin x$? _____

What is the domain of $y = -4\sin x$? _____

What is the range of $y = -4\sin x$? _____

2. Complete the table below for $y = 2\csc \theta$. Then label your axes and draw the graph!

θ	y



What is the amplitude of $y = 2\csc \theta$? _____

What is the domain of $y = 2\csc \theta$? _____

What is the range of $y = 2\csc \theta$? _____

3. List the amplitude of the following trigonometric functions.

a. $y = -3\sec x$ _____

b. $y = \frac{1}{2}\cos \theta$ _____

c. $y = 4\tan x$ _____

Review!

Find the remaining 5 Trigonometric values for each given.

4. $\cos \theta = -\frac{1}{3}$, and $\sin \theta < 0$.

Multiple Choice! (one correct answer)

Find the value of the **unique** real number θ between 0° and 360° or the unique radian measure x between 0π and 2π that satisfies the two given conditions.

5. $\sin \theta = \frac{\sqrt{3}}{2}$ and $\cos \theta < 0$.

a. 60°

b. 120°

c. 150°

d. 210°

e. 240°

6. If $\cot x = -\sqrt{3}$ and $\sec x > 0$.

a. $\frac{2\pi}{3}$

b. $\frac{5\pi}{6}$

c. $\frac{4\pi}{3}$

d. $\frac{5\pi}{3}$

e. $\frac{11\pi}{6}$

For each of the following equations, ONE solution is given. Find the other solution, x or θ , on the unit circle that satisfies the given equation. $0 \leq x \leq 2\pi$ and $0 \leq \theta \leq 360^\circ$.

7. $\sin \frac{5\pi}{4} = \sin x$

8. $\cot 85^\circ = \cot \theta$

9. $\sec 120^\circ = \sec \theta$

10. $\csc \frac{5\pi}{3} = \csc x$