Name: _____ Date: _____

Learning Goal 5.1	Graphing primary trigonometric functions, including transformations and characteristics

More Questions

1. Complete the table for each of the following functions.

Function	Period	Amplitude	Vertical Displacement	Phase Shift	Maximum	Minimum
$y = \sin\left(x - \frac{\pi}{6}\right) - 3$						
$y = \sin\left(x - \frac{3\pi}{8}\right) + 5$						
$y = 2\sin\left(x + \frac{2\pi}{3}\right) - 1$						
$y = \cos x - 4$						
$y = \cos\left(x - \frac{\pi}{4}\right) + 2$						
$y = \frac{1}{2}\cos\left(x + \frac{5\pi}{2}\right) + 7$						

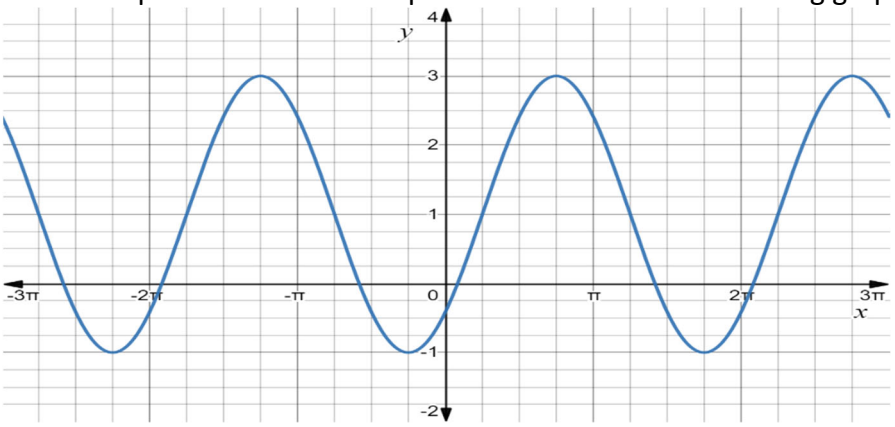
2. Complete the table below.

Function	Period	Amplitude	Vertical Displacement	Phase Shift	Max.	Min.	Equation
$\sin$	2π	$\frac{1}{3}$	$1\uparrow$	$5\rightarrow$			
$\cos$	2π			$\frac{\pi}{2}\rightarrow$	5	-1	
$\sin$	4π	3	$\frac{2}{3}\downarrow$	none			
$\cos$	π			$30°\leftarrow$	0	-4	

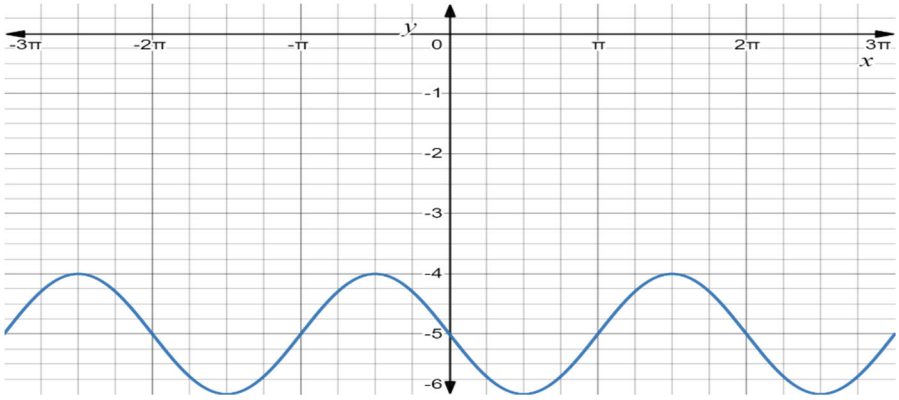
Assignment p. 250 # 1 – 9, 11, 12, 14 – 16, 26, 27, C2 Quiz Next Day!

3. Write a sine equation and cosine equation for each of the following graphs.

a.



b.



c.