Precal				Nan	ne:		 	 	
		ew Gra	-	-					
1) Craph at least t	(Graphs & Equation	ns of Trig	onon	netric	Functio	ns)			
	two periods and show $y = -5 \cos(2x - \pi)$								
· ·	y - ()								
Domain:								 	
Range:									
Amp:	pd:								
V.S.:	_ P.S.:								
2) Graph at least f	two periods and show								
	$y = 3 \sin(0.5x - \pi) + 1$						 -		
Domain:									
Range:									
Amp:	pd:						•	 	
V.S.:	_ P.S.:							 	
	two periods, show critical tes: $y = 3 \tan (2x - \pi)$								
Range:							•		
pd:									
VS·	H.S.:								
v.o							-		
	two periods, show critical tes: y = -cot (.5x) + 2								
Range:								 	
pd:									
V.S.:	H.S.:								

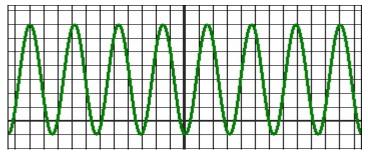
5) Graph at least two periods, & show

asymptotes: $y = \sec(3x) + 2$									
Range:		 		 			 	 	
pd:				 				 	
V.S.: H.S.:									
6) Graph at least two periods, & show asymptotes: y = 4csc (.5x)									
Range:								 	
pd:		 					 		
V.S.: H.S.:							 		
7) Graph at least two periods, & show asymptotes: $y = -2\sec(2x + \pi) - 2$									
Range: pd:							 	 	
V.S.: H.S.:									
8) Graph at least two periods, & show asymptotes: $y = 3\csc [2(x - \pi)]$							 		
Range:									
pd:							 	 	
V.S.: H.S.:	······								

9) Describe the transformations of a basic trigonometric function which would result in the function below:

a) $y = -3 \sec (x + 3) - 5$ b) $y = .7 \csc (3x - 4) + 1$

- 10) Construct a sinusoidal function using the information given: (this means give me an equation)
 - a) A cosine curve with reflected over x-axis, vertically stretched by a factor of 3, horizontally stretched by a factor of 2 and shifted left 4 units.
 - b) A sine curve reflected over the y-axis, vertically shrunk by a factor of 1/3, horizontally shrunk by a factor of 3, and shifted up 7 units.
 - c) Maximum located at (3, 1) & minimum located at (4, -7).
 - d) This is a cosine function graphed in a window [-4pi, 4pi] by [-2, 8.3]



11) Solve each of the following on the interval $0 \le x \le 2\pi$ (keep in mind how many answers there are...)

a) tan x = 1 b) sec x = .5 c) csc x =
$$\frac{\sqrt{3}}{2}$$
 d) cot x = $\frac{1}{\sqrt{3}}$