

Name two degree : radian values for each.

a)  $\tan \theta = -\sqrt{3}$

120  $2\pi/3$   
300  $5\pi/3$

b)  $\cos \theta = \frac{\sqrt{2}}{2}$

45  $\pi/4$   
315  $7\pi/4$

c)  $\csc \theta = \text{undef}$

0  
180

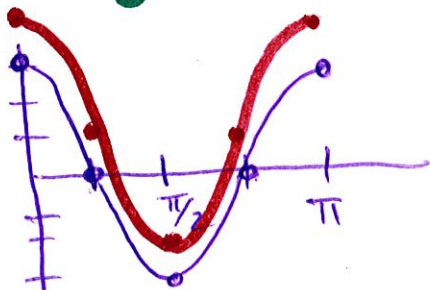


d)  $\sec \theta = 2$

300  $5\pi/3$   
60  $\pi/3$

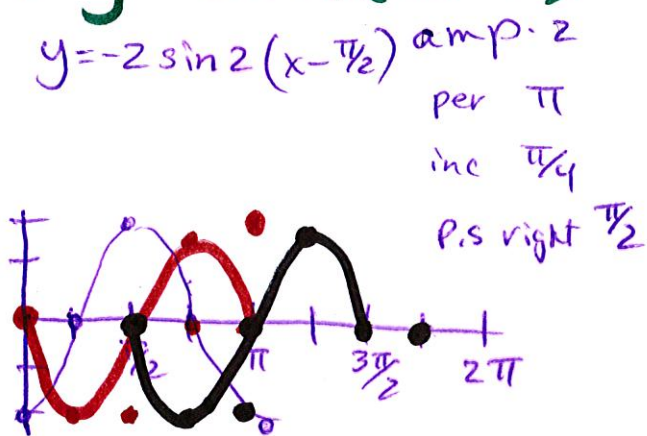
Graph

e)  $y = 3 \cos(2x) + 1$



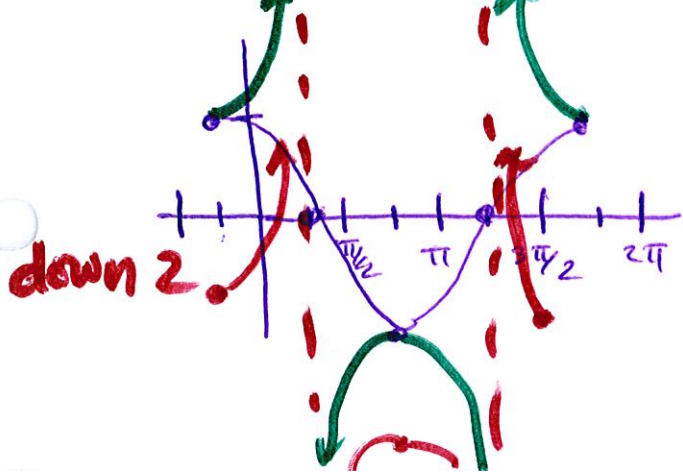
amp = 3  
Per =  $\pi$   
inc =  $\pi/4$   
P.s. N/A  
V.s. up 1

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



$y = -2 \sin 2(x - \pi/2)$  amp = 2  
per  $\pi$   
inc  $\pi/4$   
P.s. right  $\pi/2$

g)  $y = \sec(x + \pi/4) - 2$



amp = 1  
Per  $2\pi \Rightarrow$  inc.  $(\pi/2)$   
P.s. left  $\pi/4$   
Asymptote.  $x = \pi/4 + 2\pi k$   
 $x = 5\pi/4 + 2\pi k$