

20pt

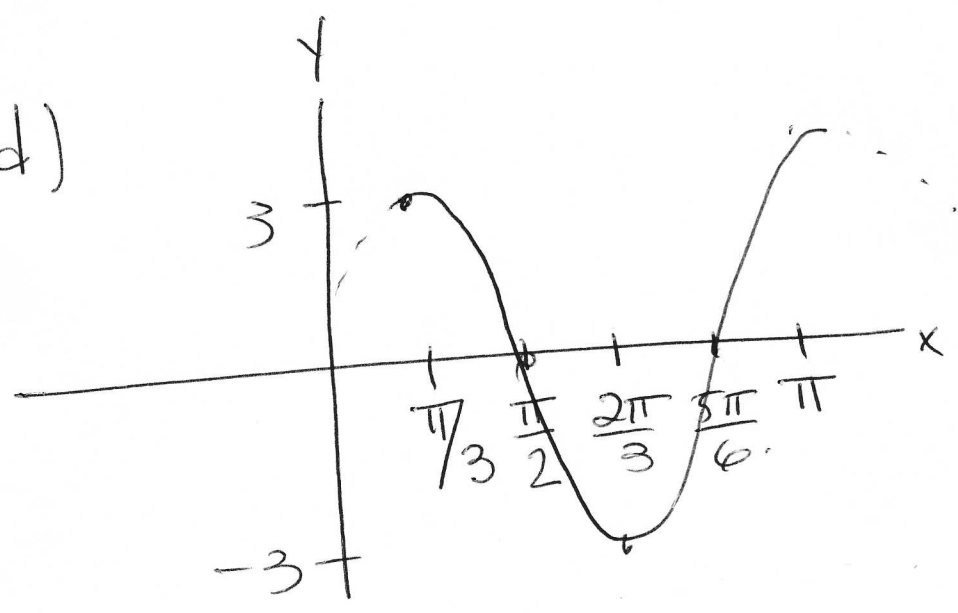
16

a) Amp = 3

b) Period =  $\frac{2\pi}{3}$

c) phase shift:  $3x - \pi = 0$   
 $\Rightarrow x = \frac{\pi}{3}$

5pt d)



end:  $\frac{\pi}{3} + \frac{2\pi}{3} = \frac{3\pi}{3} = \pi$