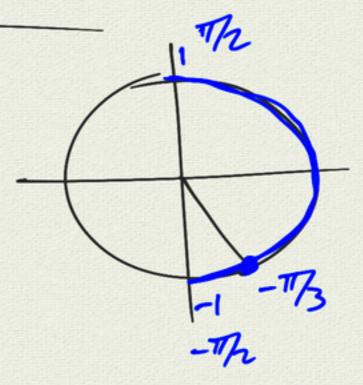


$$\sin'(1) = \frac{\pi}{5}$$
  
 $\sin'(\frac{1}{2}) = \frac{\pi}{5}$   
 $\sin'(\frac{1}{2}) = \frac{\pi}{5}$   
 $\sin'(\frac{1}{2}) = \frac{\pi}{5}$   
 $\sin'(\frac{1}{2}) = \frac{\pi}{5}$ 



for0=1-70=1/4, 3, ... define tan': prick value in [= 7, 7/2] 1 = tan 4 tan-1= 7 tan' 0 = 0 far'-1 = -#

1.4 Word Problems

revolution=3 min Ferris wheel amplifule 5 asin[6(x-h)]+k y(3)= 55in(273)+7 y(是)=55in(星)+7

amplitude 5

no slift

 $\chi(t)$ :

x(t)=5cos(==t)

different starting point +=0 t=0 y(+)=-5cos(==+)+7  $x(t) = 5 \sin\left(\frac{2\pi}{3}t\right)$ x is a function of t