## REVIEW

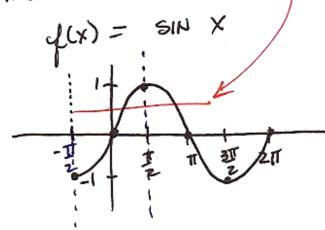
$$\mu x = x^2$$

U(x)=x2 DOES THE FUNCTION HAVE AN INVERSE?

NO!

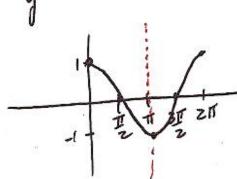
PASS THE HORIZONTAL

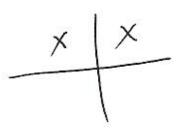
SINE FUNCTION



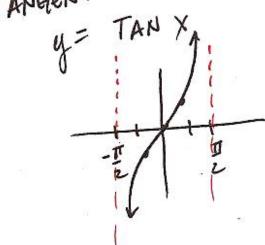
FIND THE ANGLE WHOSE SIN IS = 3 SIN (- 1/2) = -#

FUNCTION COSINE





TANGENT FUNCTION



COMPOSITION OF FUNCTIONS

z) 
$$\cos^{-1}(\cos x) = x$$
  $\begin{cases} \cos(\cos^{-1}x) = x \\ \cos(\cos^{-1}x) = x \end{cases}$ 

SINX cosy + cosx SINY

$$\frac{\frac{3}{3}}{\frac{2}{3}} = \frac{\frac{2}{\sqrt{3}}}{\sqrt{\frac{5}{3}}} = \frac{\frac{2}{\sqrt{3}}}{\frac{3}{3}} = \frac{\frac{2}{\sqrt{3}}}{\frac{3}{2}} = \frac{\sqrt{5}}{3} = \frac{\sqrt{3}}{2}$$

$$\frac{1}{3} + \frac{\sqrt{15}}{6}$$

$$H.W. \pm 5 \quad tan^{-1}(-1) = \boxed{\frac{T}{4}}$$

9. 
$$SEC^{1}(z)$$

$$\cos^{-1}(\frac{1}{2}) = \boxed{11}$$

21. 
$$\cos(\cos^{-1}\frac{1}{2}) - \left[\frac{1}{2}\right]$$

$$a^{2}+b^{2}=c^{2}$$

$$a^{2}+7^{2}=25^{2}$$

$$a^{2}+49=625$$

$$-49=49$$

$$\sqrt{a^{2}}=\sqrt{5}76$$

$$a=24$$