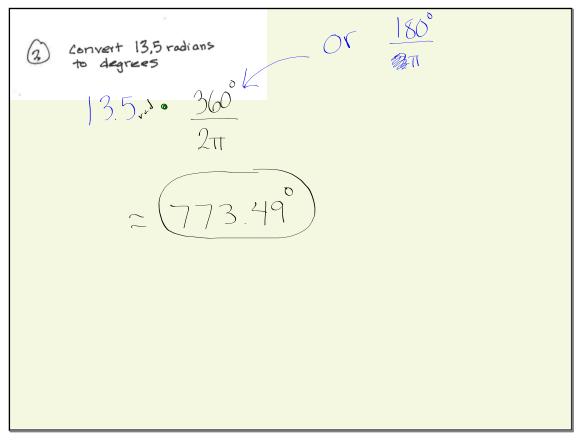


$$\begin{array}{ll}
\boxed{0} & 225^{\circ} \\
= & 225^{\circ} \cdot \frac{2\pi}{360^{\circ}} \\
\approx & \boxed{3.93 \text{ radians}}
\end{array}$$



that 
$$\sin(6) = \frac{3}{16}$$

(Assume that  $\theta$  is an angle in quadrant IV)

$$\cos^{2}(\theta) + \sin^{2}(\theta) = 1$$

$$\cos^{2}(\theta) + \left[\sin \theta\right] = 1$$

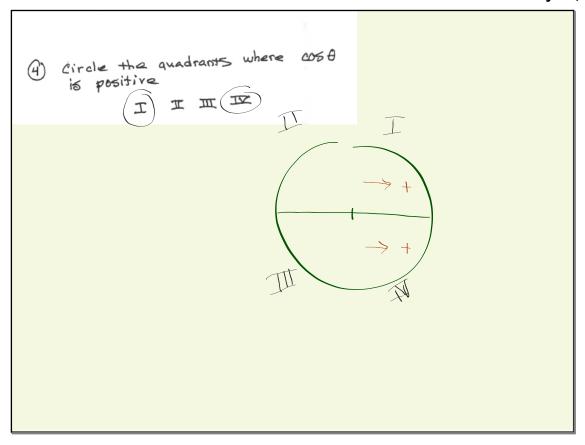
$$\cos^{2}(\theta) + \left[\sin \theta\right] = 1$$

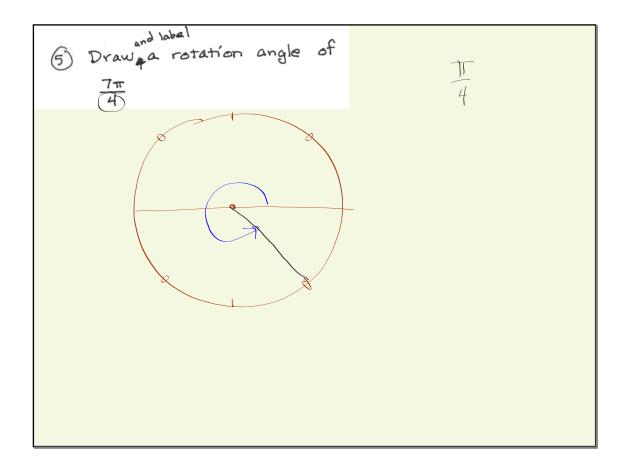
$$\cos^{2}(\theta) + \left[\cos^{2}(\theta)\right] = 1$$

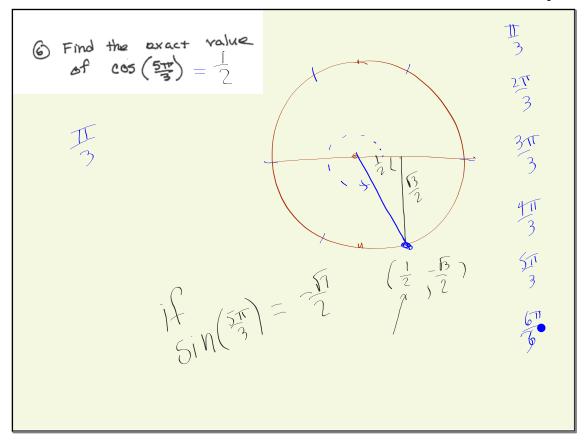
$$\cos^{2}(\theta) + \frac{9}{100} = 1$$

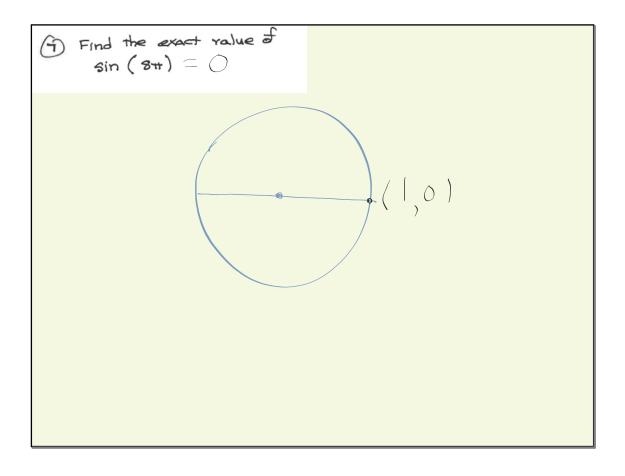
$$\cos^{2}(\theta) = 1 - \frac{9}{100}$$

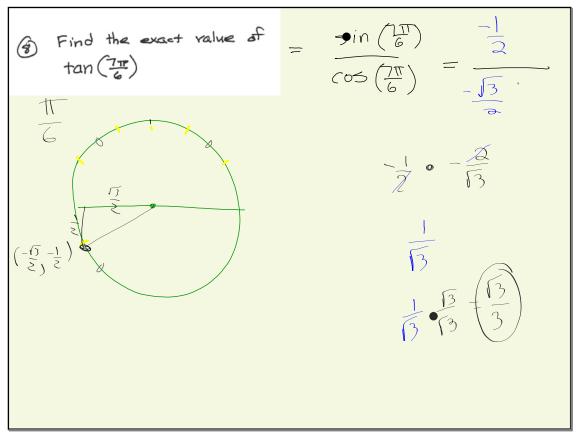
$$\cos^{2}(\theta) = \frac{100}{100} - \frac{9}{100}$$



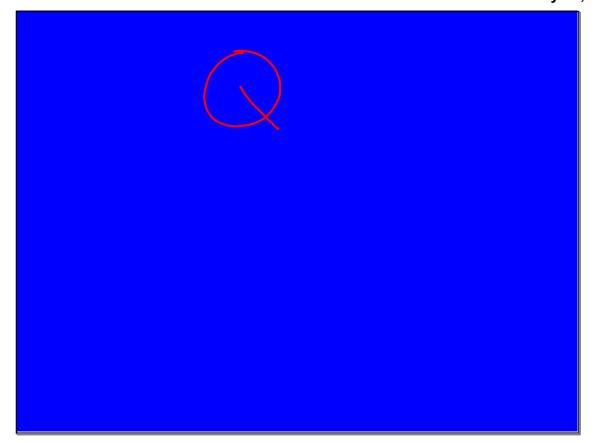


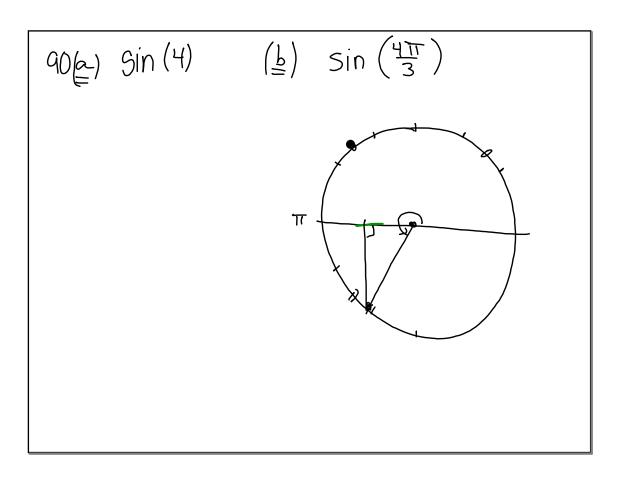


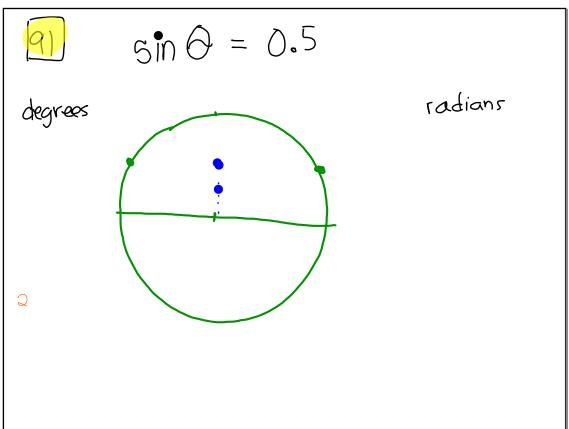


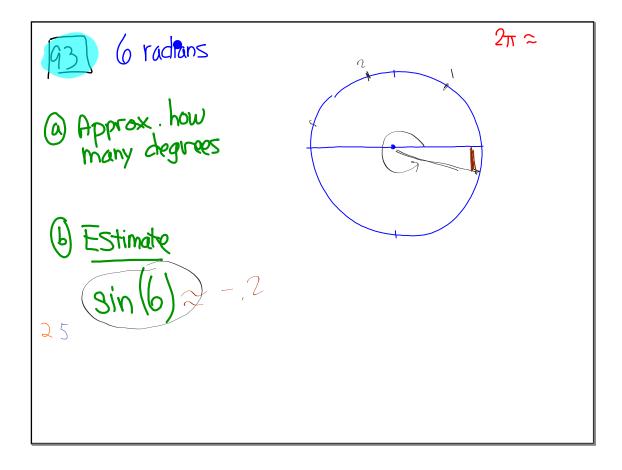


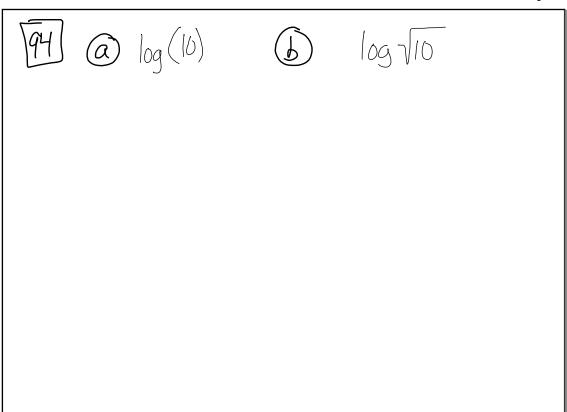
How far ded you get yesterday?

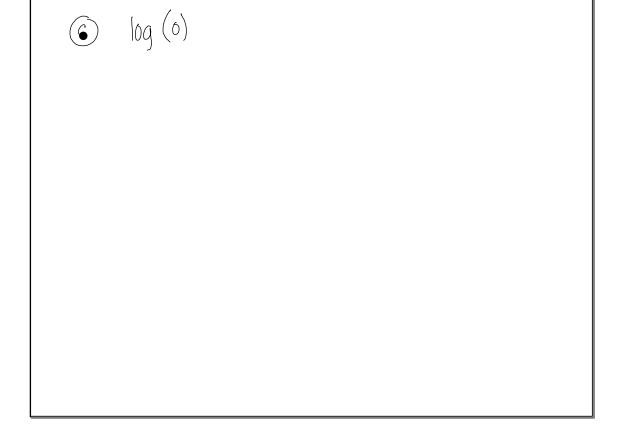












$$20 = 10(1+r)$$
compounded
annually

$$S = (1+L)_{12}$$



Angle A
$$Sin(A) = \frac{3}{10}$$

$$sin(A) = \frac{3}{10}$$
 
$$tan(A) = \frac{3}{10}$$

$$\frac{2}{\cos(A)} + \sin^2(A) = 1$$

$$\cos^2(A) + \left(\frac{3}{\cos^2(A)}\right) = 1$$

$$f(x) = \log_{7}(x)$$

$$X = \log_{7}(y)$$

$$7^{\times} = y$$

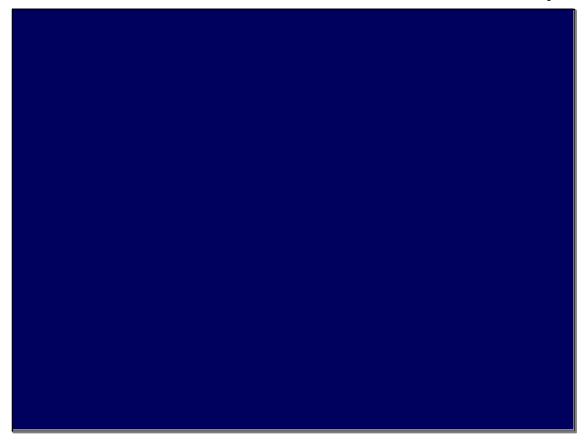
$$Y = 7^{\times}$$

$$f(x) = \log_{7}(x)$$

$$X = \log_{7}(y)$$

$$7^{\times} = y$$

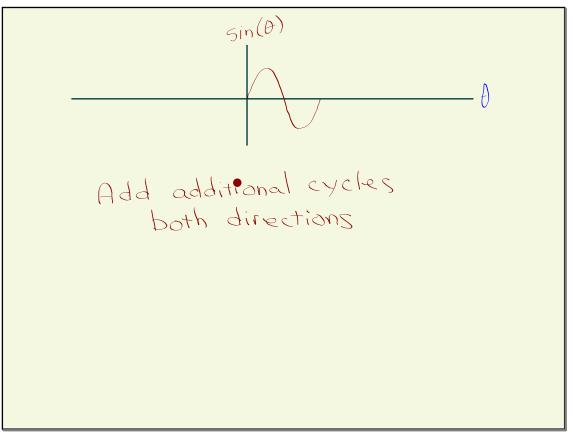
$$Y = 7^{\times}$$

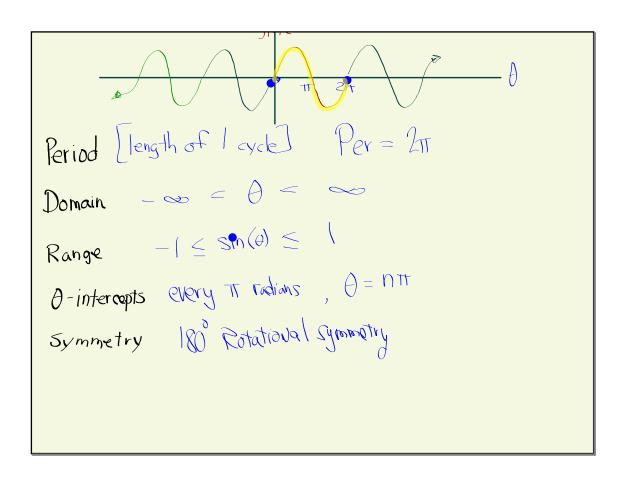


Aim
Today.

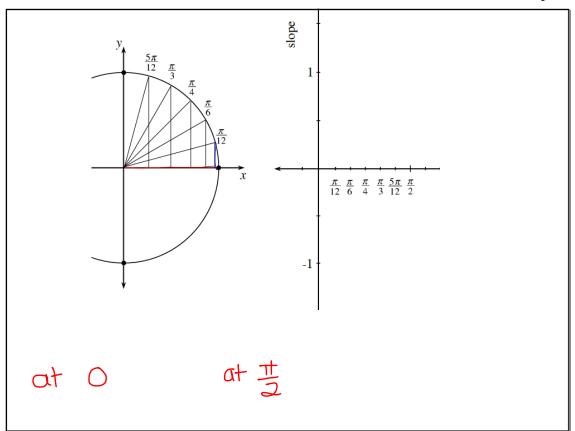
Analyze
sin(0) graph

and graph of tand later



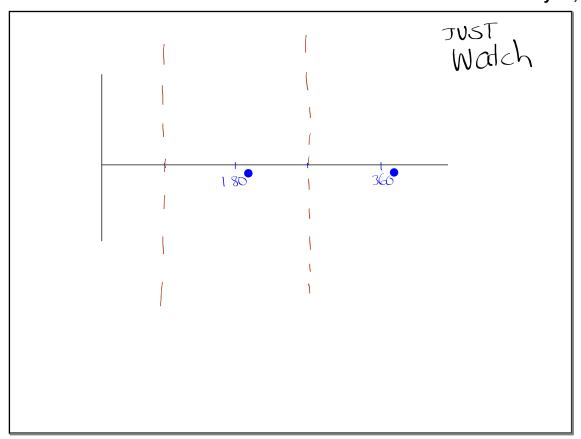


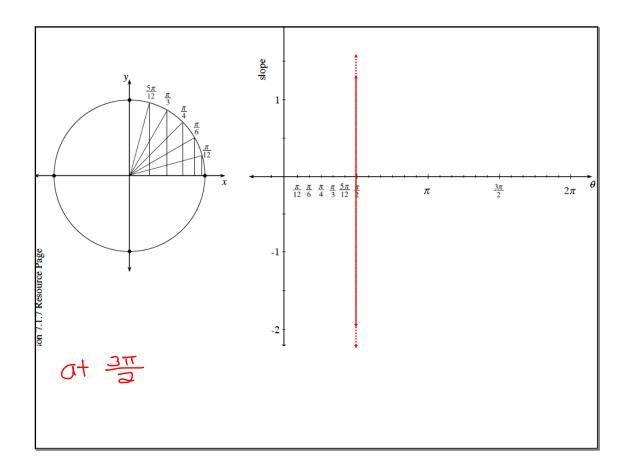
Analyze 
$$f(\theta) = t \text{ an } \theta$$
  
 $slope function$   
 $tan \theta = \frac{sin \theta}{cos \theta}$ 

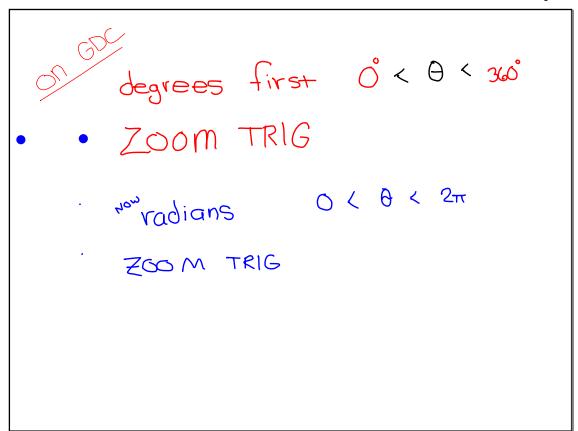


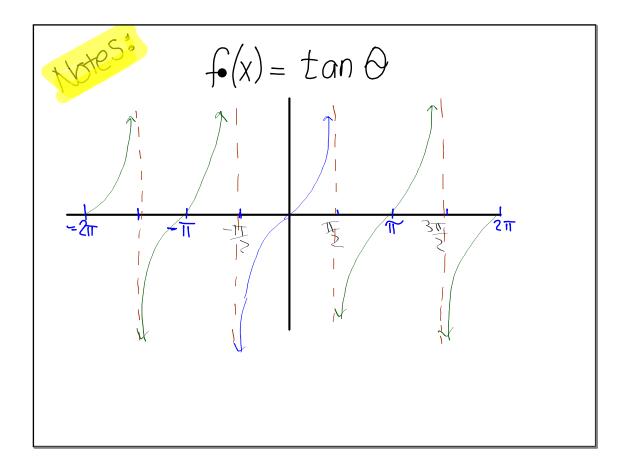
$$\frac{1}{(0,1)} = \text{undefined}$$

$$\tan \left(\frac{\pi}{2}\right) = \frac{\sin \left(\frac{\pi}{2}\right)}{\cos \left(\frac{\pi}{2}\right)}$$









radians

degrees

Period

Domain

Range

0-intercepts

Symmetry

$$\frac{1}{1} + \cos \left(\frac{\pi}{6}\right) = \frac{\sin \left(\frac{\pi}{6}\right)}{\cos \left(\frac{\pi}{6}\right)} = \frac{1}{1}$$

**Brain Break** 

Assignment

Worksheet 7.1.7