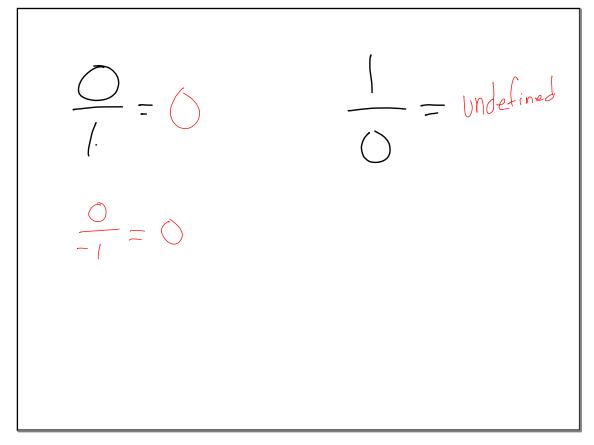
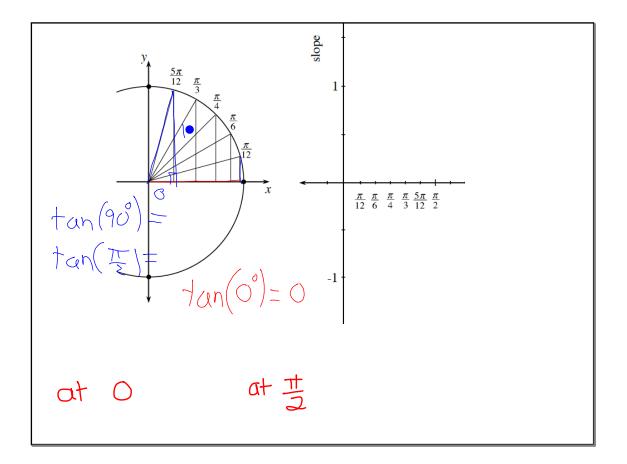
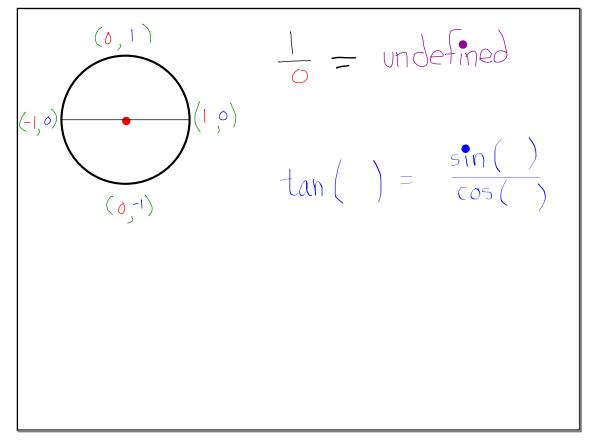


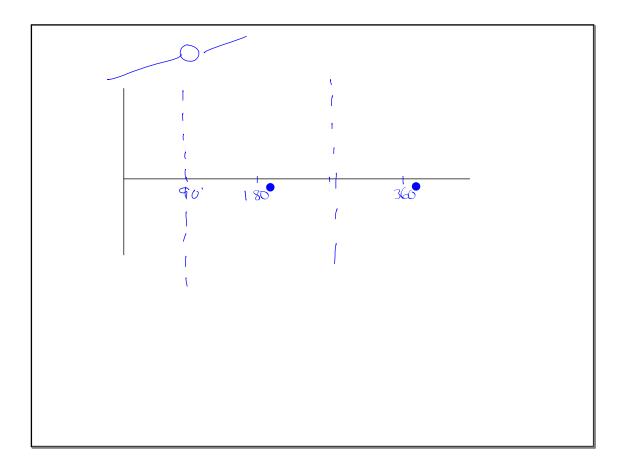
Aim
Today:
Analyze
$$f(\theta) = t \text{ an } \theta$$

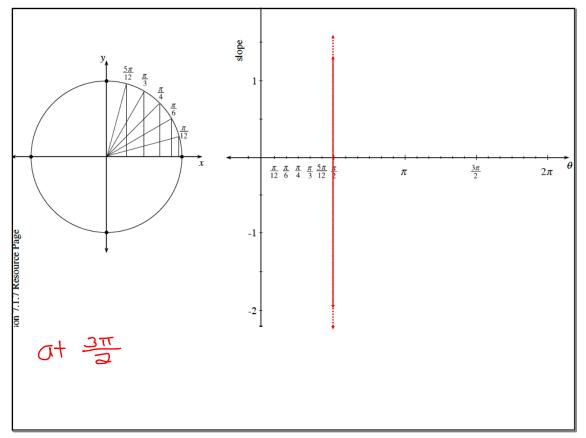
Slop function
 $t \text{ an } \theta = \frac{\sin \theta}{\cos \theta}$

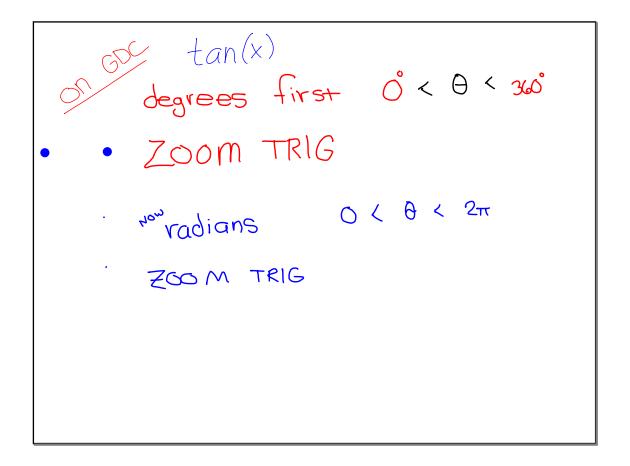


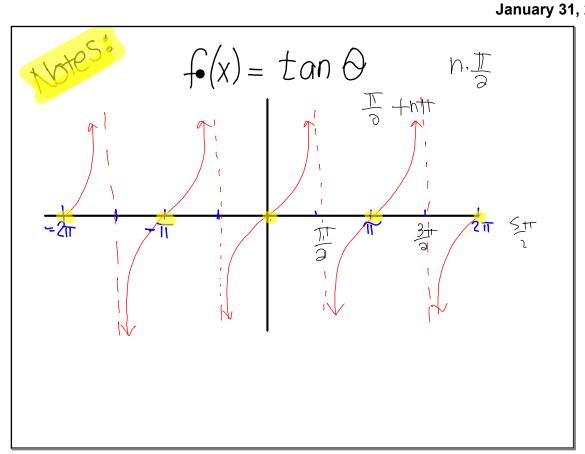


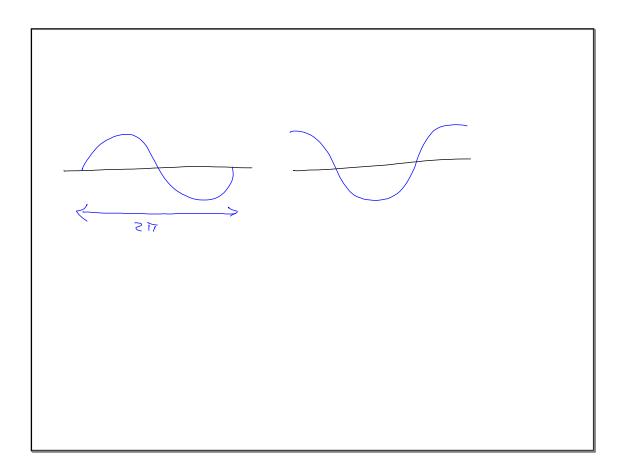


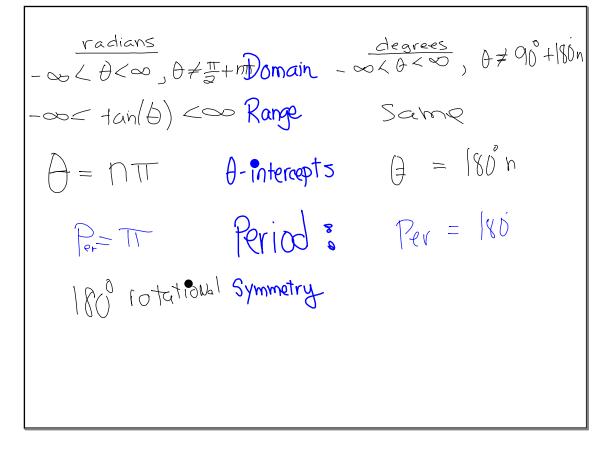


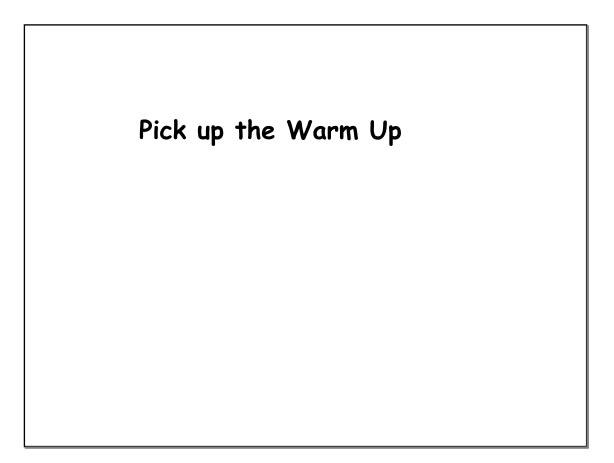


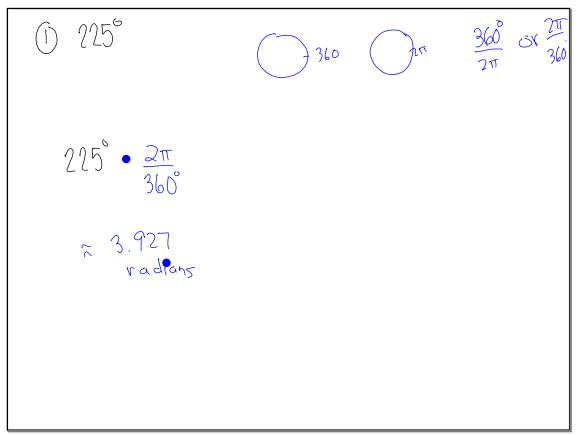








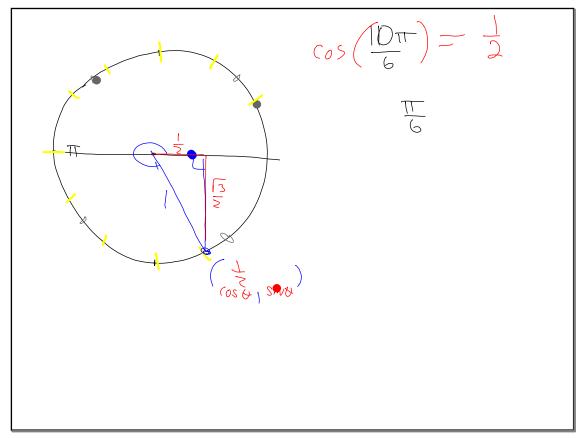


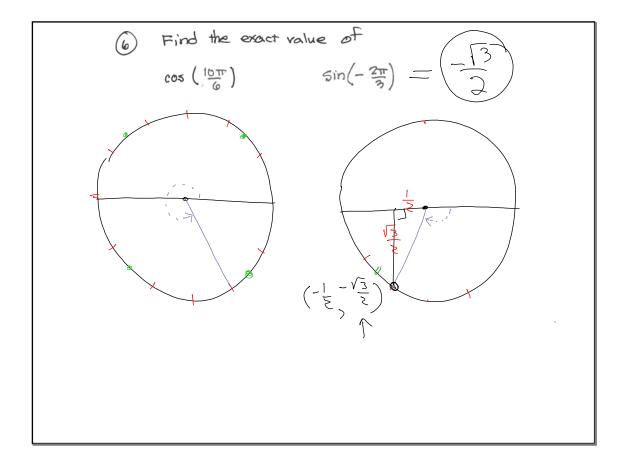


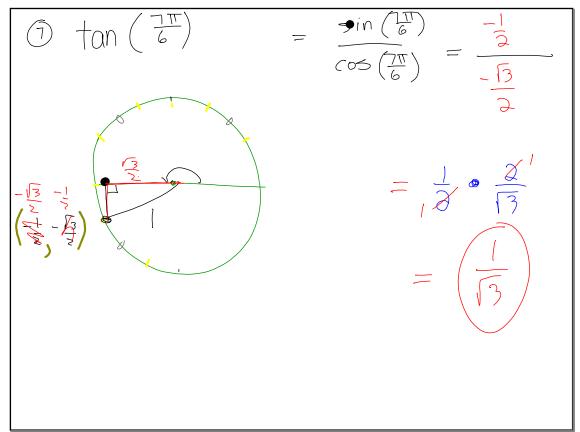
138.6 Z $138.6^{\circ} \cdot \frac{2\pi}{360} \approx 2.419$

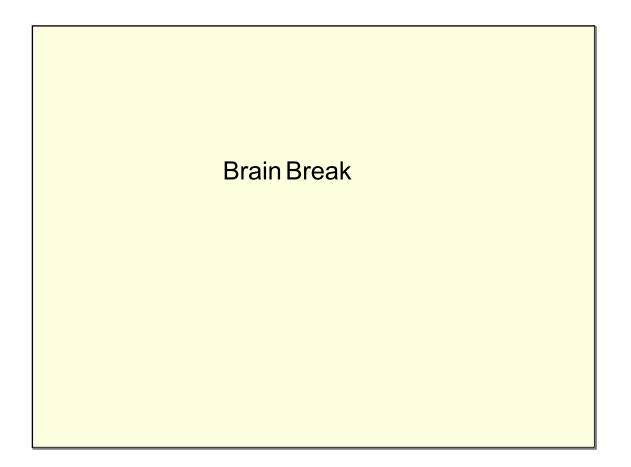
(convert to following angles to degrees)
(3)
$$\frac{3\pi}{8} \cdot \frac{360}{2\pi}$$
 (4) 3 radiums
= (57.5°)
3 rad $\frac{360}{2\pi}$
 2π
 $\approx (71.9^{\circ})$

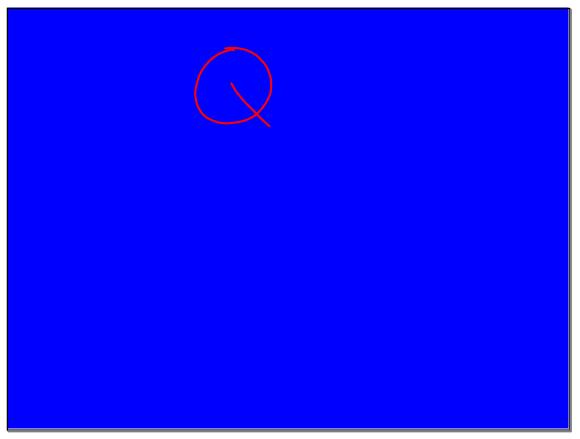
(Assume
$$\theta$$
 is in quadrant III and you know
that $\cos \theta = \frac{4}{5}$
(5) Find the sin θ without using a calculator
 $\cos^2 \theta + \sin^2 \theta = 1^2$ $\sin^2 \theta = -\frac{1}{5}^2$
 $(-\frac{4}{5})^2 + \sin^2 \theta = 1$ $\sin \theta = -\frac{4}{5}^3$
 $\frac{16}{25} + \sin^2 \theta = 1$ $\sin \theta = -\frac{4}{5}^3$
 $\sin^2 \theta = \frac{29}{25} - \frac{16}{25}$ $(1 - \frac{1}{5})^2$
 $\sin^2 \theta = \frac{29}{25} - \frac{16}{25}$ $(1 - \frac{1}{5})^2$
 $\sin^2 \theta = \frac{9}{25}$ $(1 - \frac{1}{5})^2$



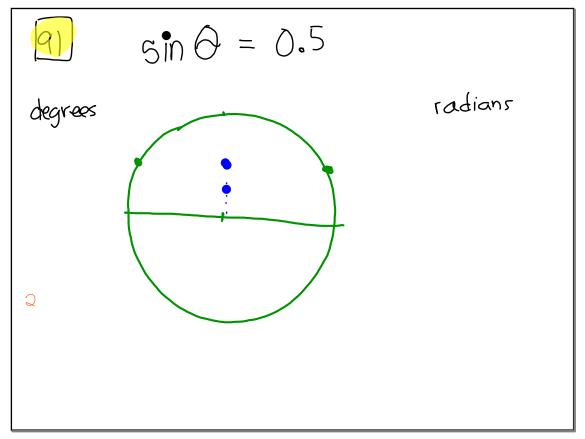


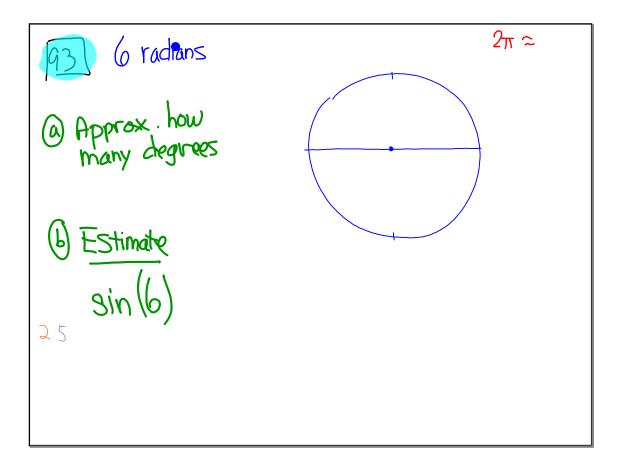


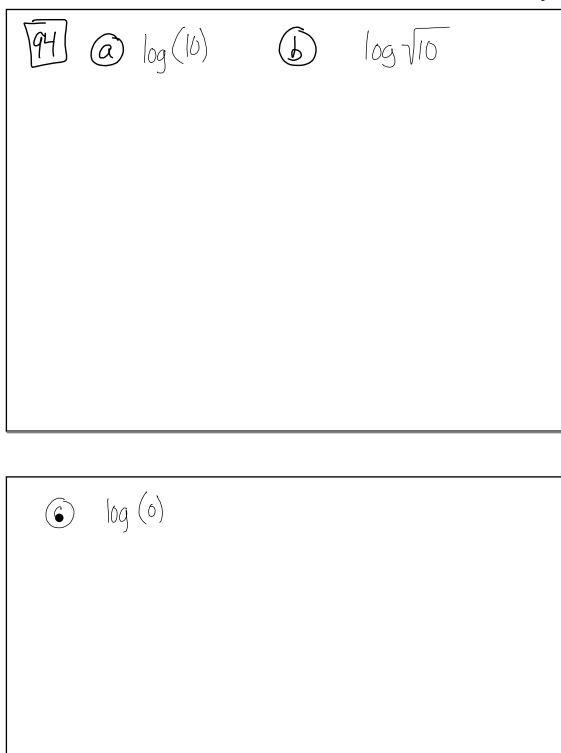




 $\left(\frac{1}{2}\right)$ Sin $\left(\frac{4\pi}{3}\right)$ 90(2-) Sin (4) radian made π







Protection of the second second compounded annual interest of the second compounded annually
$$2 = (1+r)^{15}$$

 $2 = (1+r)^{15}$

Angle A

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

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

$$cos^{2}(A) + (\frac{3}{10})^{2} = 1$$

$$cos^{2}(A) + \frac{3}{100} = \frac{700}{700}$$

$$25$$

$$\frac{97b}{X} = \log_7(y)$$

$$X = \log_7(y)$$

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

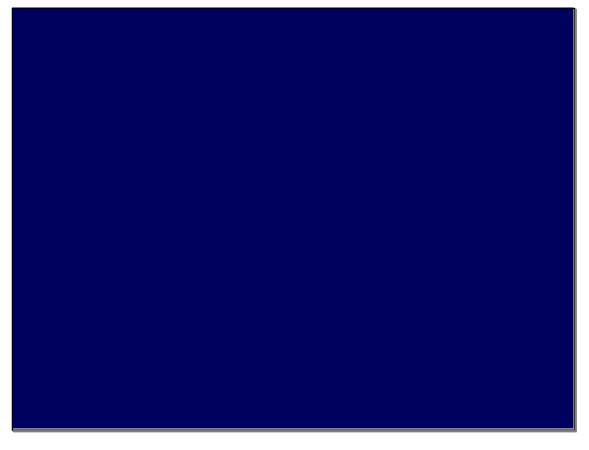
$$Y = 7^{\times}$$

$$\frac{97b}{X} = \log_7(4)$$

$$X = \log_7(4)$$

$$7^{\times} = 4$$

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



Assignment Worksheet 7.1.7

