

I & IV

$$1. \cos \theta = .8266 \quad \text{ref: } 34.249^\circ$$

$$\cos^{-1}(.8266) = \theta \quad \frac{34.249^\circ}{\text{I}} \text{ OR } \frac{325.751^\circ}{\text{IV}}$$

$$\theta = 34.249^\circ + 360^\circ n$$

$$2. \cot \theta = -.7212 \quad \text{ref. } 54.201^\circ$$

$$\tan \theta = \frac{1}{.7212} \quad (\text{Ref: } x) \quad \frac{125.799^\circ}{\text{II}} \text{ OR } \frac{305.799^\circ}{\text{IV}}$$

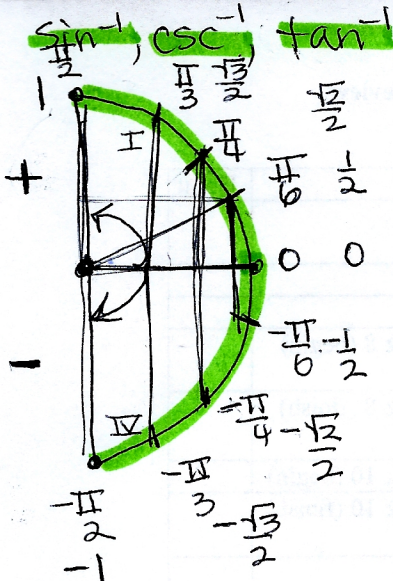
$$\tan \theta = 2.8091 \quad \text{ref. } 1.229$$

$$\frac{1.913}{\text{II}} \text{ OR } \frac{5.054}{\text{IV}}$$

$$\sec \theta = -4.7439$$

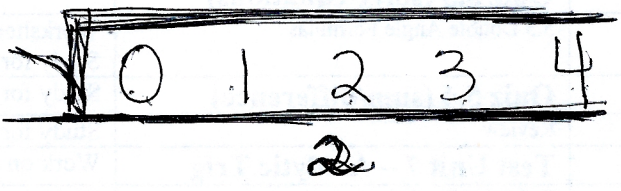
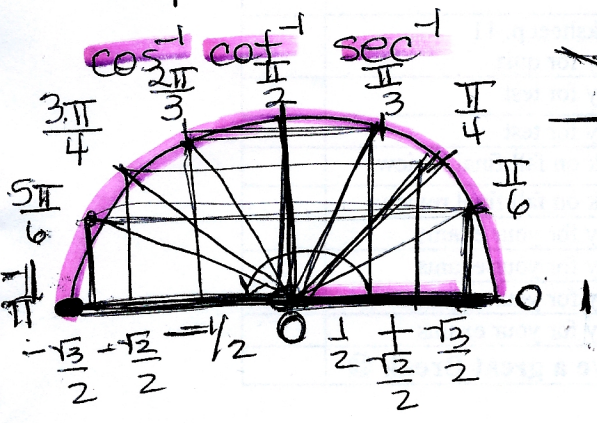
$$\cos \theta = \frac{1}{4.7439} \rightarrow \text{ref } x \quad 1.358$$

$$\frac{1.783}{\text{II}} \text{ OR } \frac{4.500}{\text{III}}$$



	0°	30°	45°	60°	90°
	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$
sin	0	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$	1
cos	1	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$	0
tan	0	$\frac{\sqrt{3}}{3}$	1	$\sqrt{3}$	und

$$\frac{1}{\sqrt{3}} = \frac{\sqrt{3}}{3}$$



$$\sin^{-1}\left(-\frac{\sqrt{3}}{2}\right) = -\frac{\pi}{3}$$

$$\arcsin\left(\frac{1}{2}\right) = \frac{\pi}{6}$$

$$\cos^{-1}\left(-\frac{\sqrt{2}}{2}\right) = \frac{3\pi}{4}$$

$$\sin^{-1}\left(-\frac{1}{2}\right) = -\frac{\pi}{6}$$

$$\arctan(-1) = -\frac{\pi}{4}$$

$$\csc^{-1}(2) = \frac{\pi}{6}$$

$$\sin^{-1}\left(\frac{1}{2}\right)$$

$$\sin^{-1}\left(-\frac{\sqrt{3}}{2}\right)$$

$$\sin^{-1}\left(\frac{1}{\sqrt{3}}\right)$$

$$\tan^{-1}(0)$$

$$\tan^{-1}(1)$$

$$\cos^{-1}\left(\frac{\sqrt{3}}{2}\right)$$

$$\cos\left(\frac{\sqrt{3}}{2}\right)$$

$$\sin^{-1}\left(-\frac{\sqrt{3}}{2}\right)$$

$$\csc^{-1} 2$$

$$\sin^{-1}\left(\frac{1}{2}\right)$$