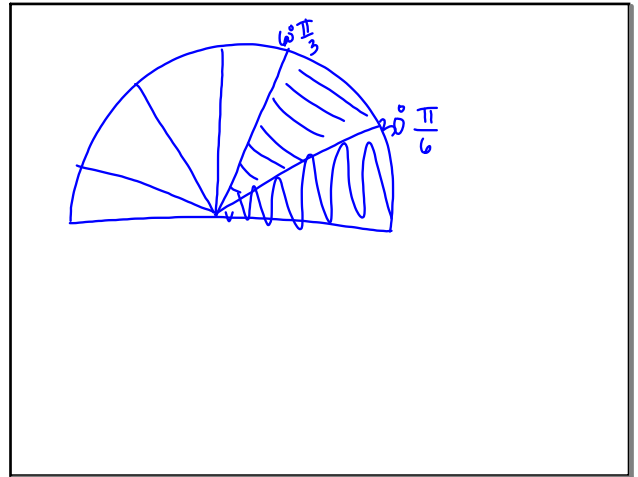
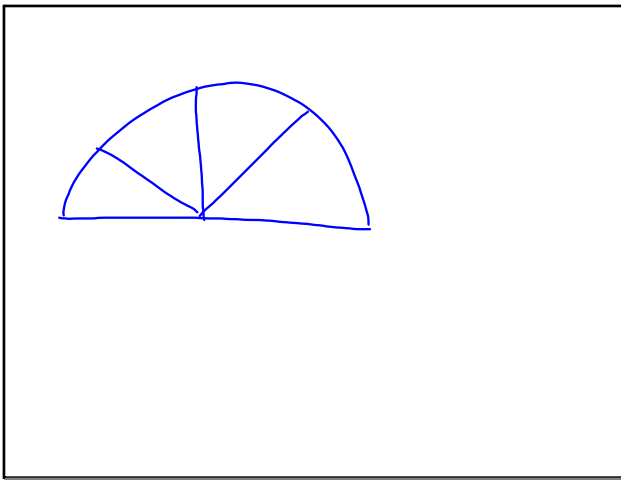


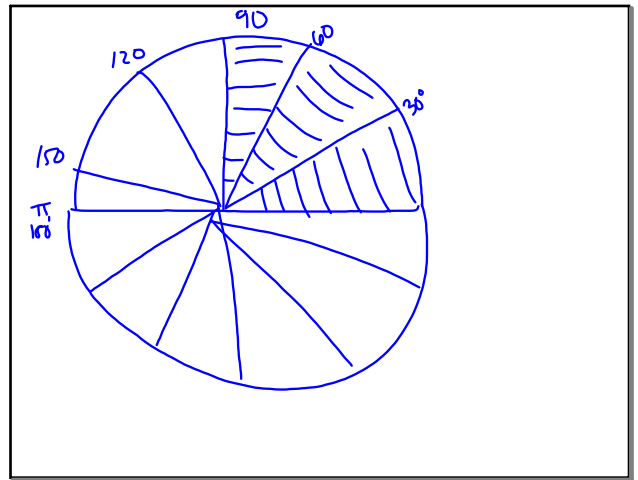
Feb 8-7:08 AM



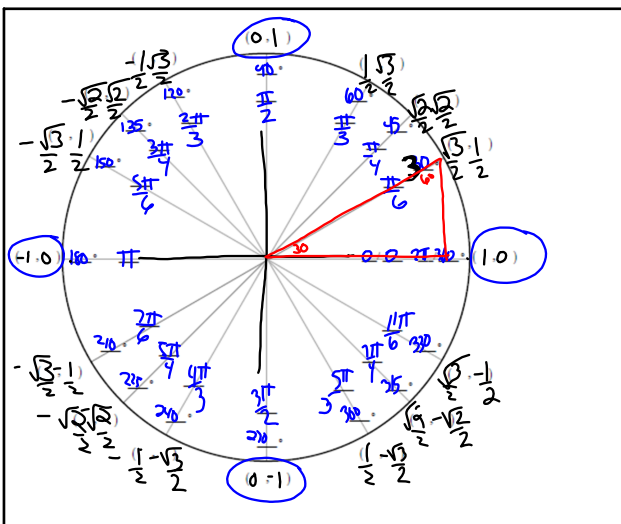
Feb 8-7:55 AM



Feb 8-7:54 AM



Feb 8-7:49 AM



Feb 8-8:06 AM

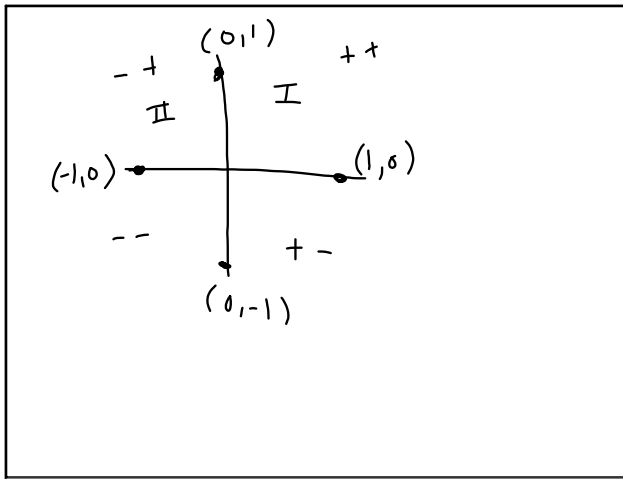
$$\frac{45^\circ}{180} \cdot \frac{\pi}{180} = \frac{45\pi}{180} = \frac{\pi}{4}$$

$$\frac{315}{180} \cdot \frac{\pi}{180} = \frac{315\pi}{180} = \frac{7\pi}{4}$$

$$\frac{7\pi}{4} \cdot \frac{180}{\pi} = 315$$

$$\frac{180}{\pi} \cdot \frac{\pi}{180}$$

Feb 8-8:17 AM



Feb 8-8:21 AM

Why?  $a^2 + b^2 = c^2$

45-45-90      30-60-90

$\cos 45^\circ = \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2}$        $\cos 30^\circ = \frac{\sqrt{3}}{2}$

$\sin 45^\circ = \frac{\sqrt{2}}{2}$        $\sin 30^\circ = \frac{1}{2}$

COS is the x-value  
SIN is the y-value

Feb 8-8:32 AM

(21)  $\frac{1\pi}{18} \cdot \frac{180}{\pi}$        $10^\circ$

(22)  $\frac{-25\pi}{12}$

Feb 8-8:42 AM

Degrees to Radians

1. Divide by  $180^\circ$
2. reduce
3. add  $\pi$  on top

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Radians to degrees

1. cross off  $\pi$
2. multiply by  $180^\circ$

Feb 8-8:43 AM