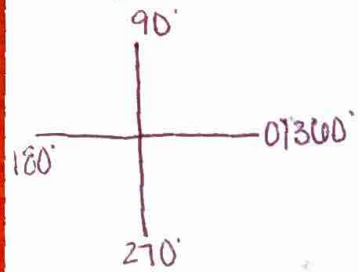
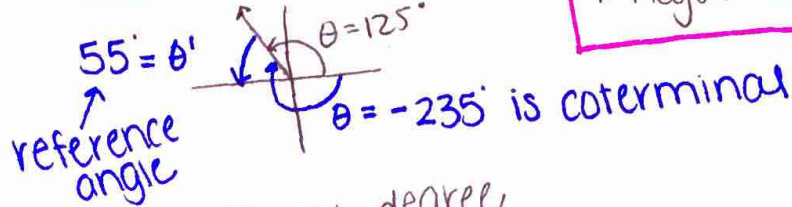


QUIZ NOTES

degree measure



[ex] $\theta = 125^\circ$

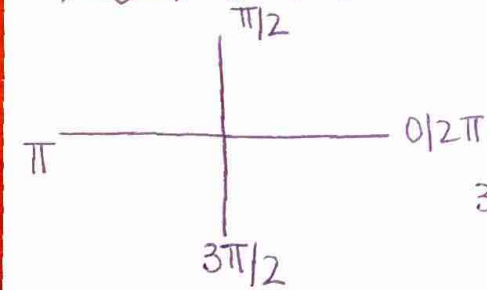


* always counterclockwise
* negative degrees/radians clockwise

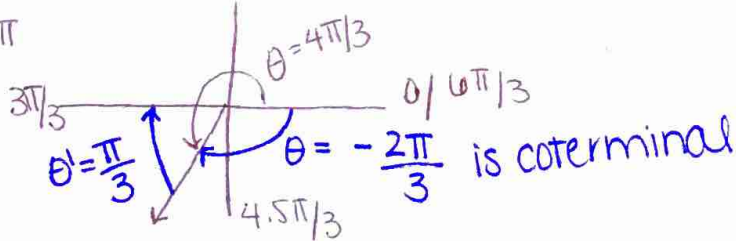
coterminal: angles with different degree measures but the same position

reference angle: angle ~~that is~~ ^{closest} to the x-axis (θ')
* always positive

radian measure



[ex] $\theta = \frac{4\pi}{3}$



conversion

degree \rightarrow radians

• multiply by $(\frac{\pi}{180})$

[ex] $45 \cdot (\frac{\pi}{180}) = \frac{45\pi}{180} = \frac{\pi}{4}$

radians \rightarrow degrees

• multiply by $(\frac{180}{\pi})$

[ex] $\frac{2\pi}{3} (\frac{180}{\pi}) = \frac{360}{3} = 120$

unit circle

* see 2nd page

1. $\sin 30^\circ$
 \rightarrow look for the sine (y-value)
when $\theta = 30^\circ$
answer: $\frac{1}{2}$

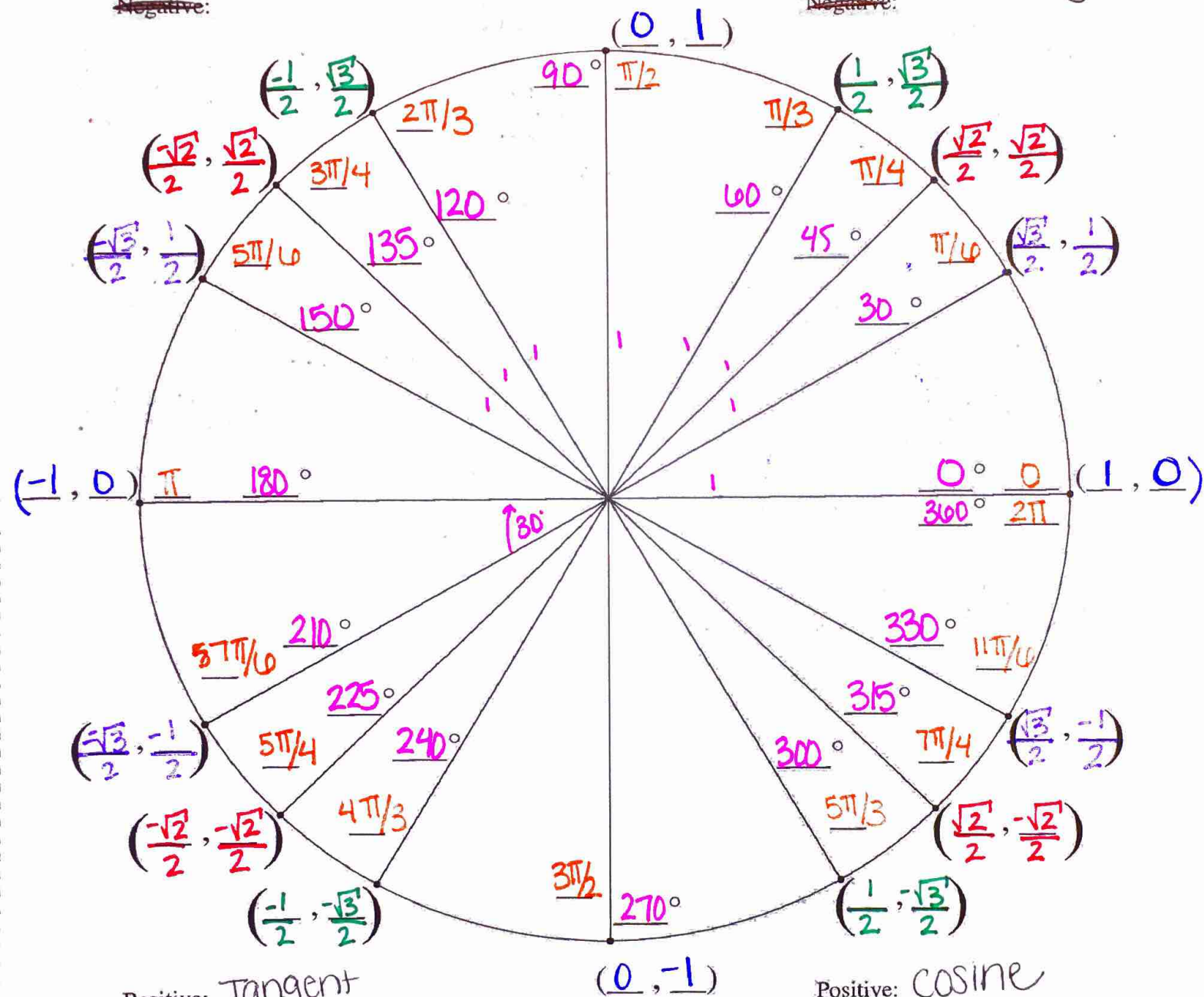
2. $\sin \theta = \frac{\sqrt{3}}{2}$ (D)
 \rightarrow at what degrees does the sine equal $\frac{\sqrt{3}}{2}$
answer: $\theta = 60^\circ \text{ \& } 120^\circ$

circle w/ a center (0,0)
r=1

Fill in The Unit Circle

Positive: sine
Negative:

Positive: All $\cos \sim x$
Negative: $\sin \sim y$



Positive: Tangent
Negative:
↓ sine & cosine

Positive: cosine
Negative: