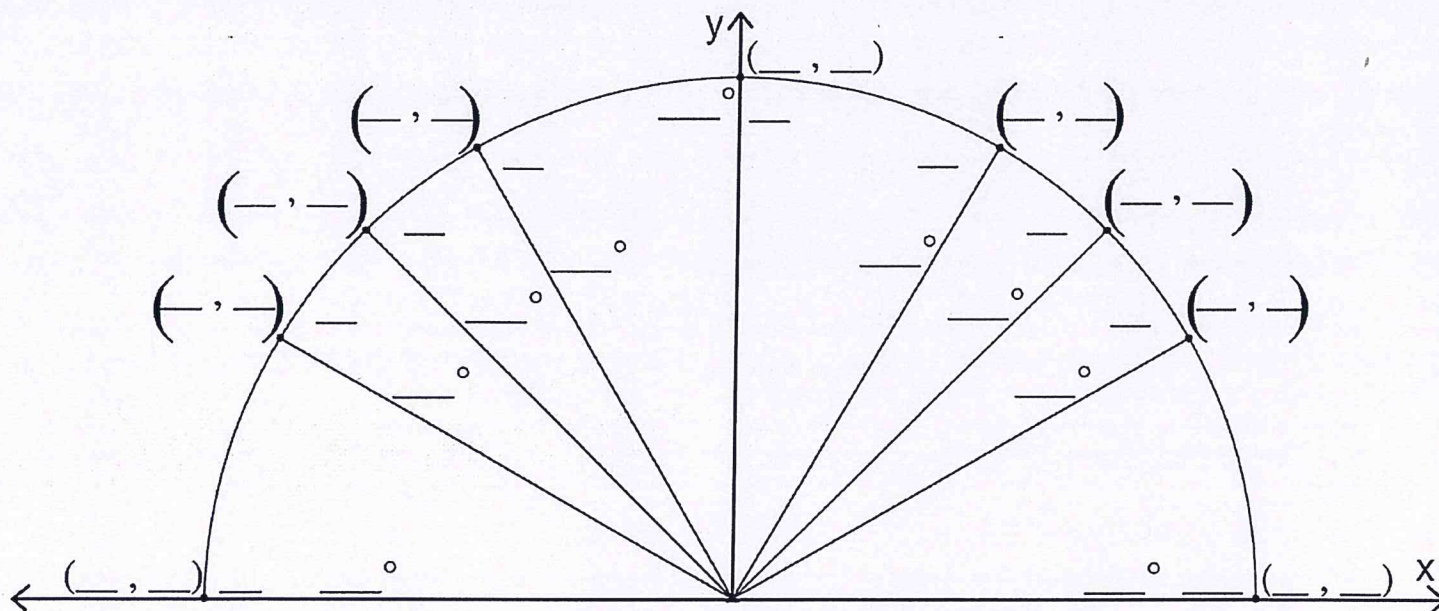


# Bellwork Alg 2B Thursday, February 15, 2017

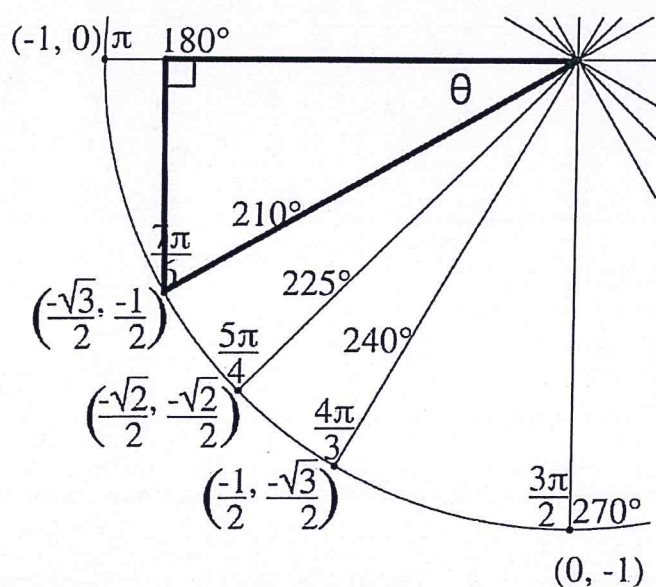
1. Practice filling out the 1st and 2nd Quadrants of the Unit Circle with degrees, radians, and coordinates. Do as much as you can without looking at your notes.



2. Use this diagram to find the EXACT values of the following:

3. Use this diagram to find the EXACT values of the following:

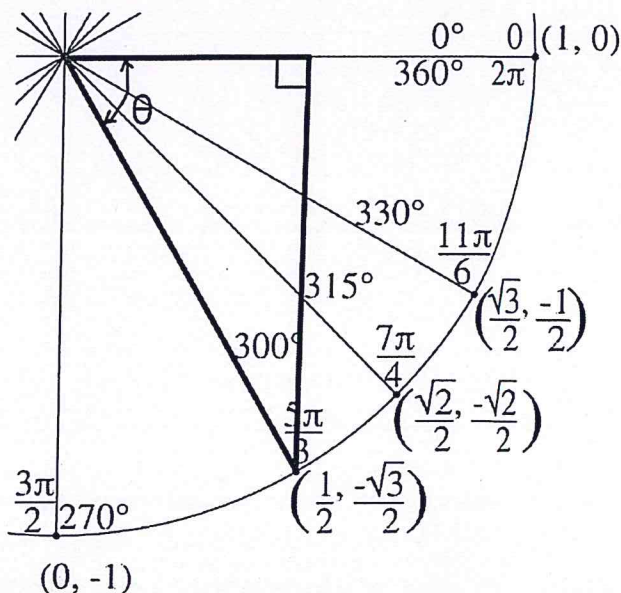
Remember, the radius of the Unit Circle is 1



a)  $\cos \theta =$

b)  $\sin \theta =$

c)  $\tan \theta =$

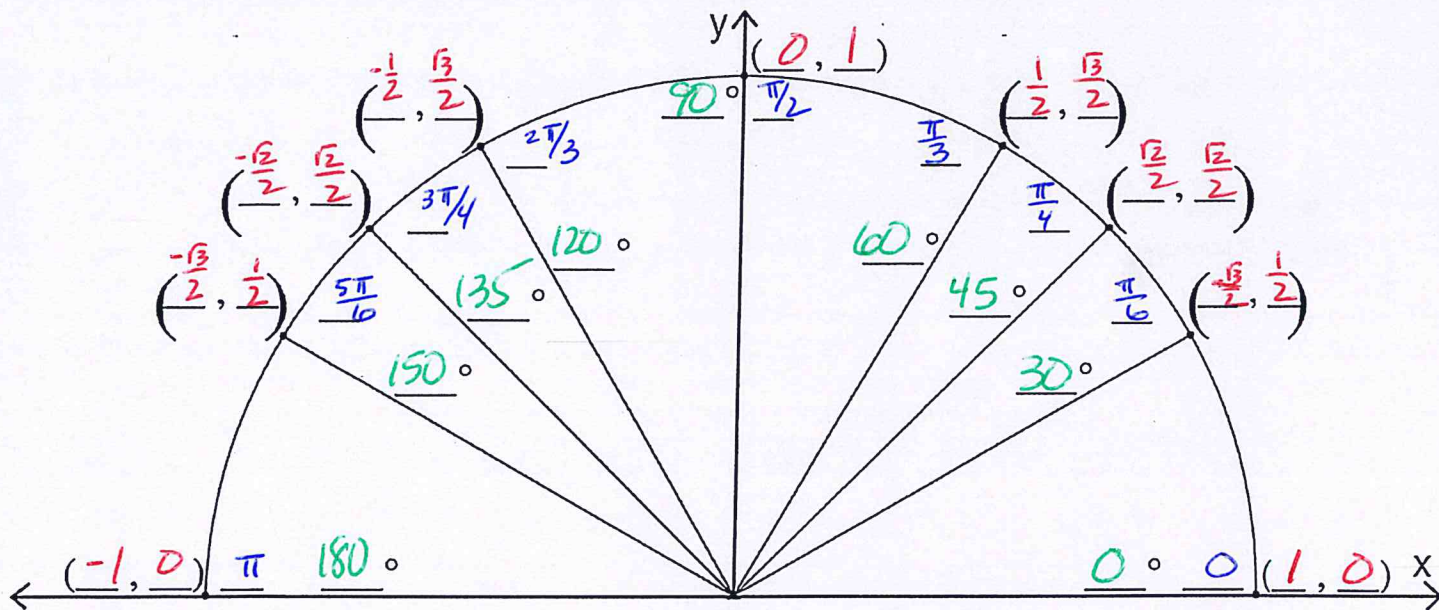


a)  $\cos \theta =$

b)  $\sin \theta =$

c)  $\tan \theta =$

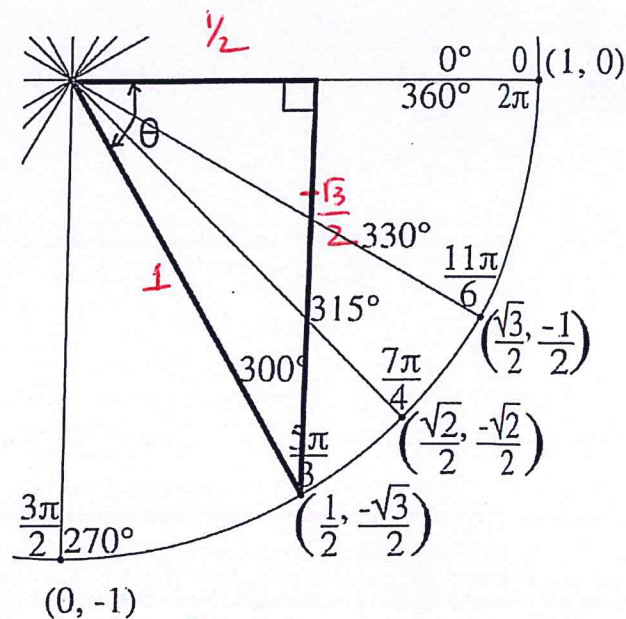
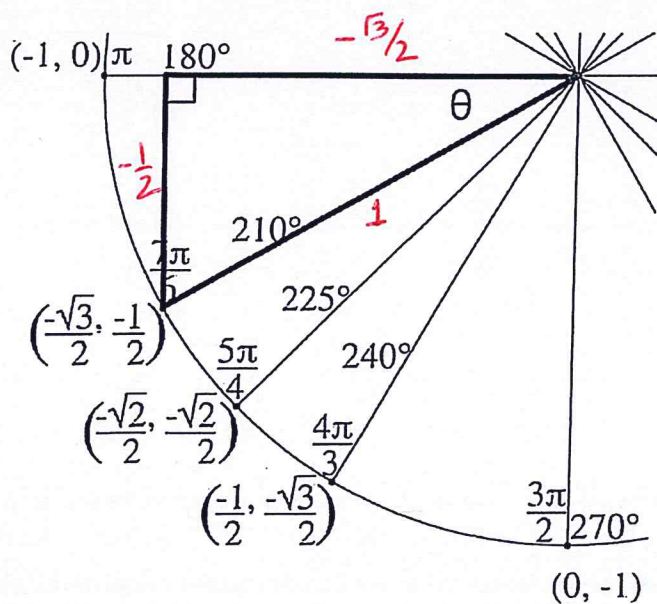
1. Practice filling out the 1st and 2nd Quadrants of the Unit Circle with degrees, radians, and coordinates. Do as much as you can without looking at your notes.



2. Use this diagram to find the EXACT values of the following:

3. Use this diagram to find the EXACT values of the following:

Remember, the radius of the Unit Circle is 1



a)  $\cos \theta = -\frac{\sqrt{3}}{2}$  b)  $\sin \theta = -\frac{1}{2}$

a)  $\cos \theta = \frac{1}{2}$  b)  $\sin \theta = -\frac{\sqrt{3}}{2}$

c)  $\tan \theta = \frac{-\frac{1}{2}}{-\frac{\sqrt{3}}{2}} = -\frac{1}{2} \cdot \frac{2}{\sqrt{3}} = \frac{1}{\sqrt{3}} = \frac{\sqrt{3}}{3}$

c)  $\tan \theta = \frac{-\frac{\sqrt{3}}{2}}{\frac{1}{2}} = -\frac{\sqrt{3}}{2} \cdot \frac{2}{1} = -\sqrt{3}$