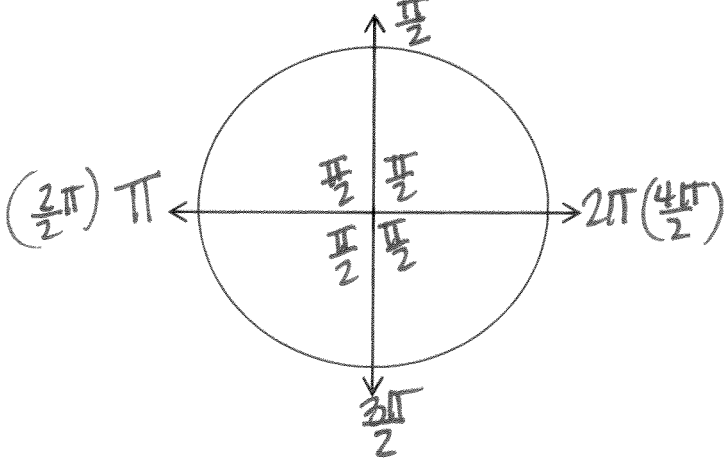


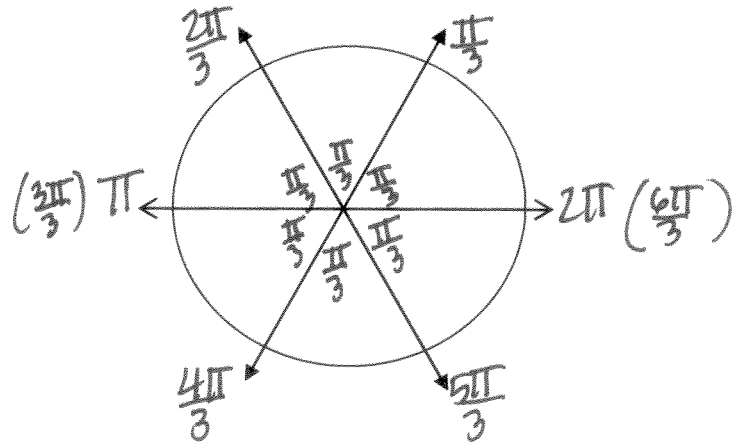
Master E

Let's look at the radians from a fractional point of view.

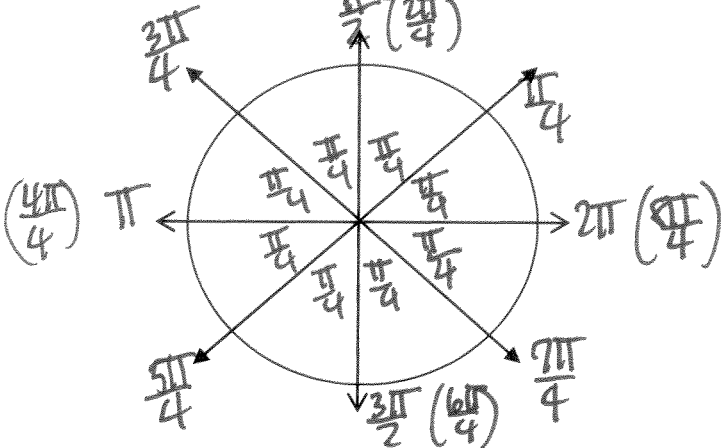
1. In 4 90 degree sectors:



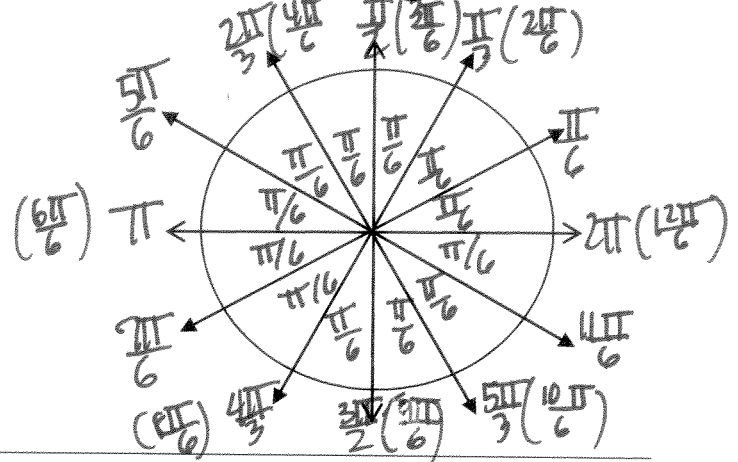
2. In 6 60 degree sectors:



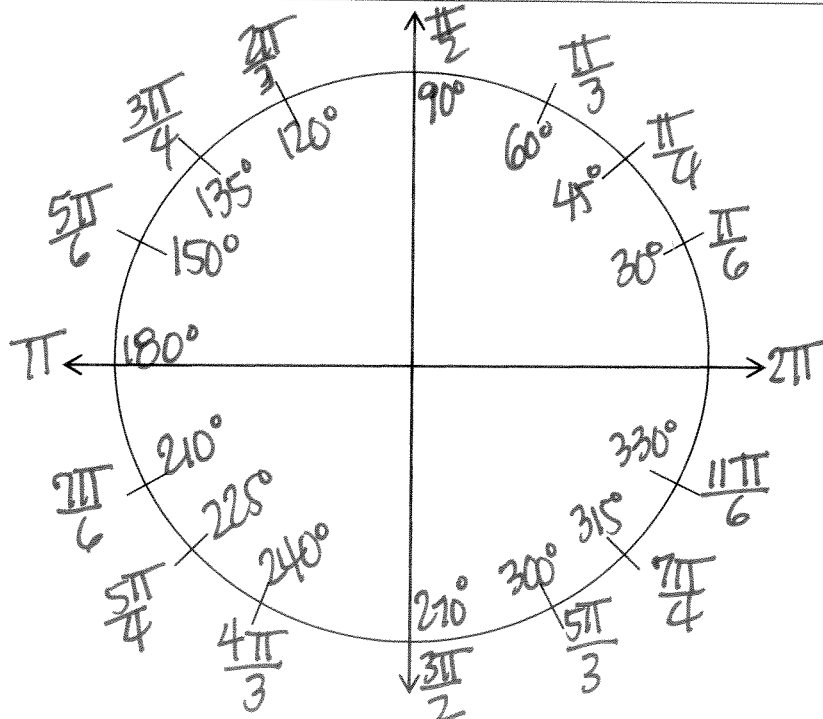
3. In 8 45 degree sectors:



4. In 12 30 degree sectors:

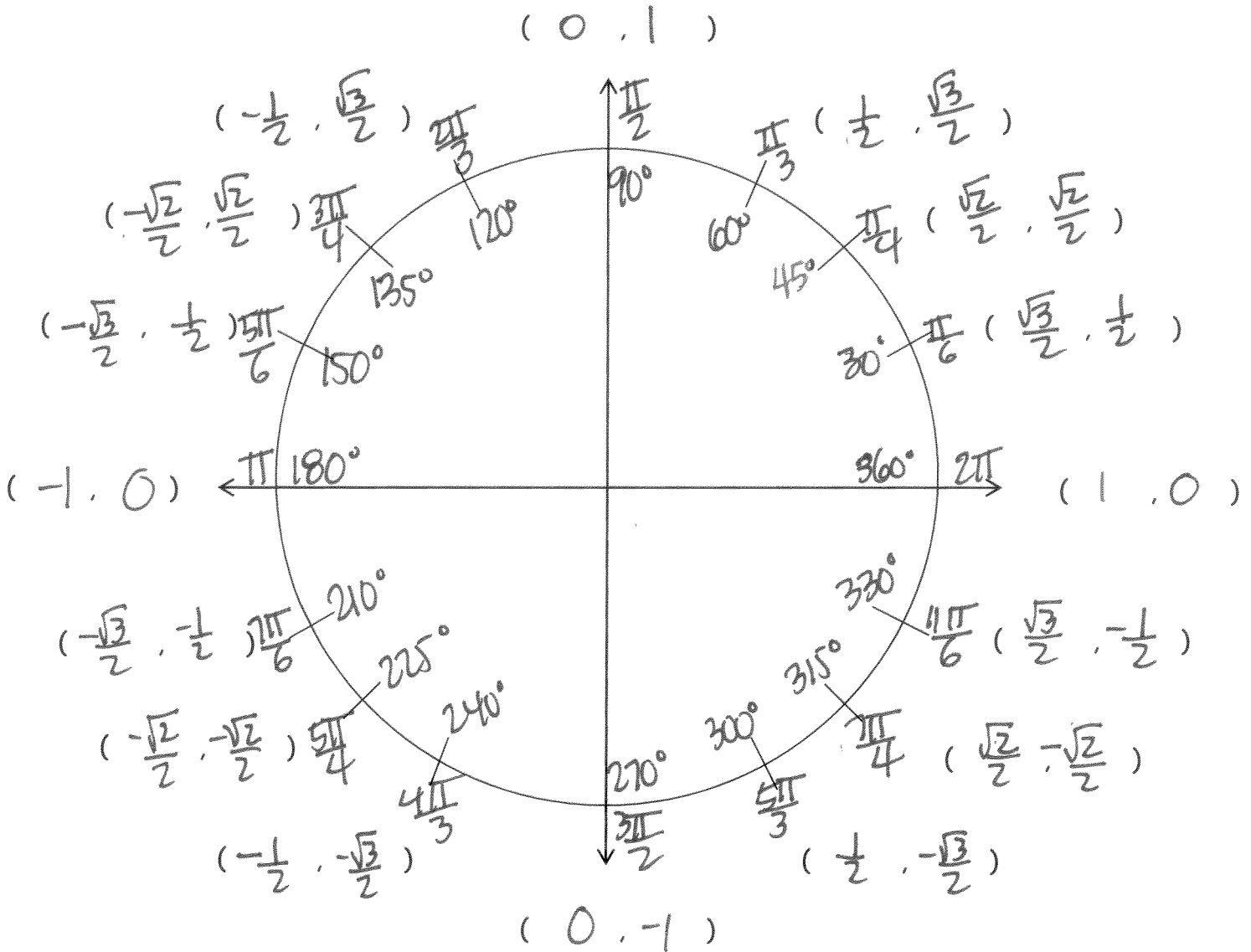


Now that you see radians more clearly, fill in the radians before you fill in the degrees on the Unit Circle from memory.



# Now Practice Filling in the Unit Circle!

Label the angles in degrees (inside the circle), radians (outside the circle), & the ordered pair of each angle.



**You MUST memorize the following formulas!**

Cosine of  $\theta = x$

Sine of  $\theta = y$

Tangent of  $\theta = \frac{y}{x}$

Secant of  $\theta = \frac{1}{x}$

Cosecant of  $\theta = \frac{1}{y}$

Cotangent of  $\theta = \frac{x}{y}$