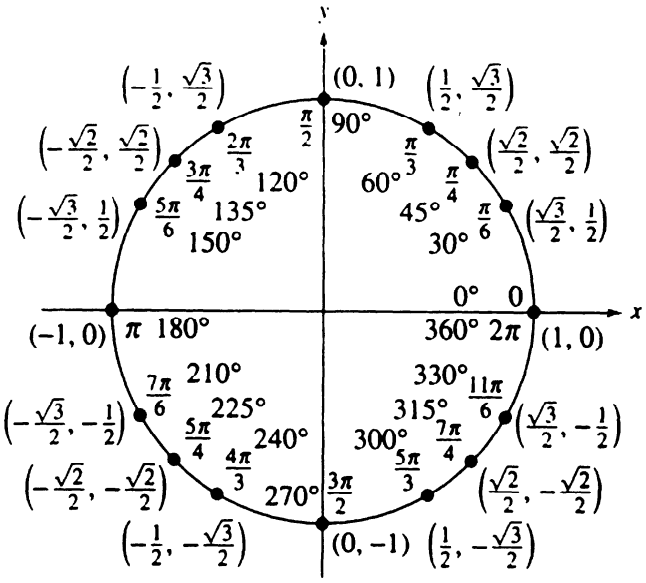
**Review - Quiz 5**

Unit Circle

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If $y = A\sin[B(x-C)] + D$

Period = $\frac{Period_0}{B}$ The original period for a sin, cos, sec, & csc is 2π and for tan or cot it is π

Frequency= $\frac{1}{P}$ Phase Shift = C Amplitude =A= $\left|\frac{\max - \min}{2}\right|$

D=middle of the graph = $\frac{\max + \min}{2}$ Range= [min,max]

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REVIEW for QUIZ 5.1-5.3

I will give you everything above the line as seen with your quiz.
-know how to convert between radians and degrees
-know how to convert between sin and cos using the Fundemental Identity
-know how to evaluate the sin(270º) using the unit circle ( in this case it is –1)
-know how to use your calculator to solve $1\text{-}\sin^2(160º) + \cos(40º/4)$
-know all about how to graph a sin and cos function- strectching/shrinking, amplitude, period, frequency, Range, phase shift,… (Note: I am giving you the equations above but you must be able to graph and also find all these quantities.)
-know how to do a spring problem. I will give you the formula.