

## **Ch.6 Group Quiz: Study List**

\*Find coterminal angles  $\theta \pm 360n$  (n is a whole number) \*Find reference angles  $\theta$ ,  $180 - \theta$ ,  $\theta - 180$ ,  $360 - \theta$ 

\*30°-60°-90° and 45°-45°-90° triangles (know basic measurements and find trig ratios)

\*Use unit circle to find "special" trig ratios for 0°, 90°, 180°, 270°, 360°

\*Find trig ratios, given a point, angle, triangle, or terminal side in a certain quadrant (apply negatives appropriately)

 $\sin\theta = y/r$   $\cos\theta = x/r$   $\tan\theta = y/x$  $\csc\theta = r/y$   $\sec\theta = r/x$   $\cot\theta = x/y$ 

\*Solve for a missing side or angle in a right triangle: Soh Cah Toa

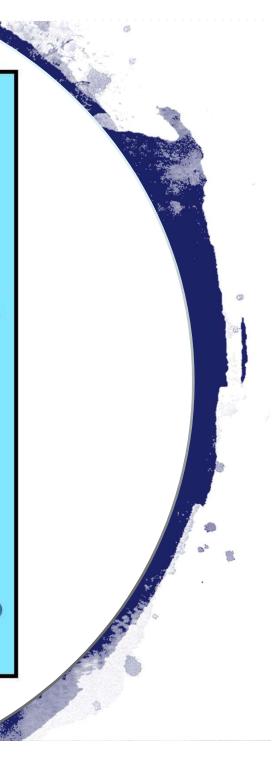
\*Apply inverses:  $\sin^{-1}\theta$ ,  $\cos^{-1}\theta$ ,  $\tan^{-1}\theta$ 

\*Law of Sines

\*Law of Cosines

\*Area of Triangle:  $A = \frac{1}{2}(side1)(side2)sin(included angle)$ 

\*Solve word problems using trig



## Formulas to know for the quiz!!!

