

Business PreCalculus MATH 1643 Section 004, Spring 2014
Worksheet 28

1- Convert each angle from degrees to radians.

a. 60° .

b. -510° .

2- Convert each angle from radians to degrees.

a. $\frac{-5\pi}{4}$.

b. $\frac{3\pi}{2}$.

3- How far does the tip of a 5-foot pendulum travel as it swings through an angle of 30° ?

4- Find three angles that are coterminal to an angle measuring 105° .

5- Find the length of the arc of a circle with radius 20 inches and angle 60° .

6- Find the area of the sector in the previous problem.