

Business PreCalculus MATH 1643 Section 004, Spring 2014
Homework 28

1- Convert each angle from degrees to radians.

a. 90° .

b. -255° .

2- Convert each angle from radians to degrees.

a. $\frac{7\pi}{2}$.

b. $\frac{5\pi}{3}$.

3- Which pair is a pair of coterminal angles:

a. $(55^\circ, 125^\circ)$.

b. $(75^\circ, 435^\circ)$.

4- A security camera rotates through an angle of 120° . What is the arc width of the field of view 40 feet from the camera?

5- Find the area of one slice of a 12-inch pizza, given the pizza is cut into 6 equal pieces.

6- A merry-go-round makes 2 complete revolutions each minute. Find the linear and angular speed of a child standing 6 feet from the center of the merry-go-round.