Trigonometry

Spring 2015
Instructor: Matt Alexander
Quiz Score: /10

Quiz 1 Name: Key

Quiz Score

1. Rewrite $\frac{3\pi}{2}$ radians in degree measure. (2pts)

2. Find an angle coterminal to $\frac{3\pi}{4}$. (2pts)

$$\frac{3\pi}{4} + 2\pi = \frac{3\pi}{4} + \frac{8\pi}{4} = \frac{11\pi}{4} \quad or \quad -\frac{5\pi}{4} - \frac{13\pi}{4} \frac{19\pi}{4} = -\frac{13\pi}{4} = -\frac$$

3. If a merry-go-round is spinning at 20 revolutions per minute. What is the angular speed of the merry-go-round? (3pts)

4. Betty made a circular cake that is 2 feet in diameter. What is the area of a slice of cake if the cake is cut into pieces with a central angle of $\frac{\pi}{6}$. (3pts)