

Name: \_\_\_\_\_

Section: \_\_\_\_\_

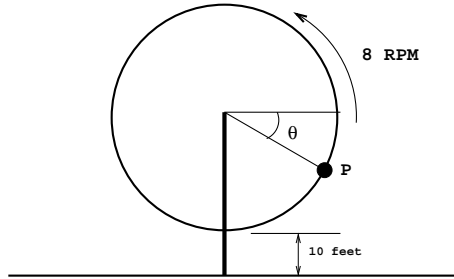
# Math 120A

# Quiz 5

# May 13, 2004

Show all work for full credit.

Your new ferris wheel has riders moving at a linear speed of 80 miles per hour. The wheel has an angular speed of 8 revolutions per minute.



1. If it takes a rider 2.1 seconds to go from point  $P$  to the top of the ride, what is the value of the angle  $\theta$ ?

2. How high off the ground is point  $P$  in the figure?