Name _____

On Track Learning
Quiz: A Hula Hoop is Like a Racetrack

1. Imagine that a particular racetrack has a radius of .5 miles. What is the relationship between that racetrack and a racetrack that has twice the radius (which means a radius of 1 mile)?

2. Carol calculated a circumference of 30.5 cm. When she measured the circle, the measurement was 31.4 cm. What is the percentage of error using the following formula? Show all of your work for your calculation of percent of error.

    [(calculated circumference - string measurement) ÷ string measurement] x 100

3. List two things your group did or could have done to get the most accurate answer (or the lowest percent of error).