

## Phys101 Assignment Cover Sheet

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_ Mark: \_\_\_\_\_

Student ID: \_\_\_\_\_ Date: \_\_\_\_\_

### Phys101 Written Assignment #3

Due Monday May 30, 2011, in the beginning of the tutorial

Textbook (Giancoli, 6th edition) page 134 problem #76.

- 76.** A curve of radius 67 m is banked for a design speed of 95km/h. If the coefficient of static friction is 0.30 (wet pavement), at what range of speeds can a car safely handle the curve?