

Phys101 Assignment Cover Sheet

First Name: _____ Last Name: _____ Mark: _____

Student ID: _____ Date: _____

Phys101 Written Assignment #4

Due Friday May 31, 2013, 5:00pm

Textbook (Giancoli, 6th edition) page 165 problem #77.

77. A ball is attached to a horizontal cord of length L whose other end is fixed.

(a) If the ball is released, what will be its speed at the lowest point of its path?

(b) A peg is located a distance h directly below the point of attachment of the cord. If $h = 0.80L$, what will be the speed of the ball when it reaches the top of its circular path about the peg?

