Physics 100A
April 2, 2003
Quiz 8

Name ____________________________

Also include name on reverse side →

1. A record, on a record player, begins at rest and attains a final angular speed of 15 radians per second. If during this process the record revolves three times (exactly) find the angular acceleration.

2. Write down the conditions for static equilibrium.

3. An 11.0 m long board of mass 8.2 kg is supported, 1.0 m off center, by a triangular block. Giorgio the 5.7 kg cat walks up the board until it begins to tip. Find the position of Giorgio. Hint: first draw all the forces acting on the board.