

QUIZ # 3. PHYS 203. Chapter 4. SPRING 2006

NAME:

Newton's laws of motion.

Two blocks are connected by a cord passing over a small, frictionless pulley on frictionless planes. One block is on a incline plane at 25 degrees and the other is at 30 degrees.

- (a) What is the acceleration of the blocks?
- (c) What is the tension of the cord?

4. Newton's Third Law. optional

An orange sits on a table in equilibrium.

- (a) What forces act on the orange?
- (b) What is the reaction force to each of the forces acting on the orange?
- (c) What are the action-reaction pairs?