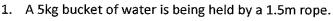
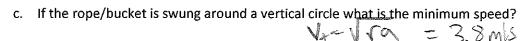
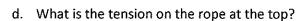
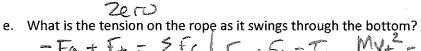
## Class Practice Rotational Force Centripetal

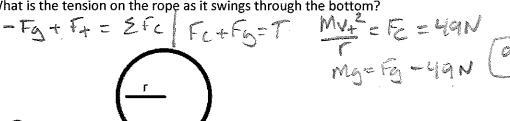


- a. Draw the forces on this system.
- b. What is the tension on the rope while it hangs?

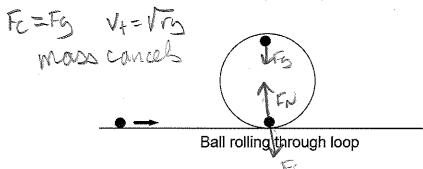








2. A 10kg ball and a 20kg ball are rolled to a toward a 30cm loop as seen here. The 20kg ball needs to be rolled twice as fast as the 10kg ball. Justify or nullify this statement.



- 3. The 10kg ball roles through the 30cm loop at the minimum speed to make the loop.
  - a. Sketch the ball at the bottom and at the top, add the forces.

What is the force normal as it rolls through the bottom?

What is the force normal at the top??

zero , lendungrung d. How fast is the ball going at the top?

10.3 = 5.4 m/

e. What is the tension on the rope as it swings through the bottom?

Fe will increased of