

Exam #2

Chapters 4 & 5

October 11, 2017 Wednesday

- 13 Questions
- Password required

Chapter 4

- 2 conceptual questions
- $\sum F_i = ma$
- Know how to calculate the “tension” in accelerating systems.

Chapter 5

- One conceptual question
- Masses on a pulley (with and without friction)
 1. Horizontal & vertical
 2. Inclined & vertical
- Resultant vectors (geometrical interpretation of vectors)

Angle for a ramp with a curved bank and radius of curvature R .
- Loop-the-loop
- Air Resistance