

➤ Last Lecture

- Springs

➤ Today

- Circular Motion with Gravity

➤ Important Concepts

- Don't forget centripetal acceleration.
- Think carefully about **all** of the components of the acceleration.
- Pay attention to physical constraints (for example, string tension or normal force going negative).

Important Reminders

- Pset # 5 due Friday at 10am.
- Next Mastering Physics deadline is next Monday.
- Slightly modified version of the syllabus is posted.
- Want to make 8.01L better? Volunteers needed for a student advisory board, if you are interested. A better course and free food!
I need more volunteers to make this work.

Properties of Circular Motion

- Circular motion with constant radius is accelerated.
- The direction is always unambiguous!
 - Points towards the center of the circle.
- The magnitude is always unambiguous!
 - $|a| = v^2/R$

Preparing for Experiment #3

- Go to 8.01L Experiment web page and download both the write-up and the program to your desktop.
- Start the program to make sure it runs OK (run it from your desktop, not from the web).
- Start reading the write-up. The summary that I will go through in detail starts on page 1.
- You will get paper copies of the report (link says "questions") but feel free to look at it ahead of time.