

Homework Assignment #9
Physics 201

Due Friday, December 8th

Reading: Read Chapter 8 sections 8.1 and 8.2. Reading the whole chapter might help you understand the material, but the last sections are a little heavy (and rely on concepts from Math 125).

From the text (Serway and Jewett): Chapter 8

Questions:

#4, 7, 11, 19, 20

Problems:

#2, 4, 6

Note: Calculate your answer to question #6 two different ways. First, use only equations from chapter 2 of the textbook (equations of constant acceleration in one dimension). Then calculate it again using potential and kinetic energy concepts from Section 8.1 and the start of section 8.2. The two methods should give you the same answer. Why?