Physics 202
Homework assignment #1
Due Thursday, January 10th

From the text (Serway and Jewett)

Reading:
      Read Chapter 8, through section 8.4 (we will come back to 8.5 and 8.6 later)
      Read Chapter 9, sections 9.1, 9.2, 9.3, and 9.5 (if you haven't read them already)
      (You may also want to review parts of Chapter 7 if you are rusty on that material.)

Problems:

      Chapter 8: #1, 3, 5, 10, 11, 21, 24, & 31
            (Hint on #21, they really do mean to use equation 7.3, but you can also
            take a look at equation 8.3. Why do they produce the same answer?)

      Chapter 9: Problems #7, 11, 15, & 27
               and just for fun do Quick Quiz #9.10
            (Hint on Quick Quiz # 9.10: Try it with a carrot. Find the center of mass of
            a carrot by balancing it on your finger. Cut the carrot in two at the center
            of mass. Do the two halves have the same mass?)