Do the On-line Assignment “HW #3.”

Do the Pencil-and-Paper problems:

**Chapter 2:** 3.63, 3.71, and 3.75. For problem 3.75, you should skip part (b). (The most direct way to do part (b) is probably to show that $\vec{r} \cdot \vec{v} = 0$, but since we haven’t done the dot product yet, you should just skip part (b).)

Please write NEATLY and show your work CLEARLY. I won’t give you credit if I can’t follow your work. Staple your pages together.

**Academic Honesty**

You may use, without proof, any results from class or your text by simply quoting the result and giving the reference (e.g. equation number or page number). You should understand how that result was obtained, but you need not transcribe the derivation.

If you get bogged down with any of the problems, do not hesitate to discuss them with me or with a fellow student. However, if you discuss a problem with anyone (besides me) you should acknowledge that collaboration. Please see the Academic Honesty policy for more information about appropriate and inappropriate collaboration.