Phys 122 - Written Homework Assignment #9

Due on Thursday, October 30, by 11:00 am (at the beginning of the class)

(These are all from the textbook, under the “EXERCISES AND PROBLEMS” section at the end of Chapter 30)

1. 30.8 ** (4 points)
2. 30.11 ** (5 points)
3. 30.26 ** (5 points)
4. 30.37 (6 points)
5. 30.40 ** (4 points)
6. 30.52 (4 points)
7. 30.71 (Extra credit! - 3 points)

** These problems will be worked out during recitation.

Reminder: Please show all your work for full credit! Draw figures where needed and label accordingly (or if a figure is too complicated to draw, refer to the figure in the text you were using to solve the problem). Always model the problem (see the examples in the text. After the problem is stated, there is a MODEL paragraph. Do this for the homework assignment problems). Always state the knowns, and state what you need to find. Explain your steps as you are solving the problem. And never forget to include units! This is physics, units matter.