

## Physics 200B

Assignment 1, due 10:20 a.m. Fri. Aug. 29 2008

WebAssign introduction, Serway & Jewett Ch. 1

Note: Answers to odd-numbered problems are in the back of the book. Appendix B of Serway and Jewett contains a mathematics review.

**Part I:** Problems to do on WebAssign: Listed under Physics 200B, Assignment 1

**Part II:** Handed-in problems (write out and hand in at the start of class Friday)

1. Estimate (to an order of magnitude) how much water is used by all Wittenberg students in one day. Be sure to carefully state your assumptions, how you came up with your input data, and show how you obtained your answer. Don't forget to round properly to an order of magnitude!

### Notes on grading procedure for handed-in problems and quizzes:

To receive full credit, please show your work and clearly indicate the answer. Don't forget to round to the proper number of significant figures and give units!

Handed-in problems and questions will be graded on a 5-point scale:

5 = correct concepts and reasoning; execution of solution is complete and correct (including units and rounding)

4 = essentially correct concepts and reasoning, but minor errors in concept or execution, such as a mistake in algebra

3 = essentially correct concepts, but serious errors in reasoning and/or execution, such as failing to solve for the correct quantity

2 = serious errors in concepts and/or reasoning, such as not including information necessary to solve the problem, or using concepts/equations that don't apply

1 = some solution attempted, but not enough information is presented to tell whether the approach and concepts are correct

0 = no attempt to solve problem (note: simply recopying the statement of the problem does not constitute an attempt to solve it!)

### Other suggested problems for practice (don't hand in):

Ch. 1 problems 9, 21, 23, 33, 49, 59