Homework #1
(Due Monday, January 19, 2004, 1:35 p.m.)

These problems are assigned from *Introduction to Electric Circuits* by Dorf/Svoboda (6th edition, pages 22-24):

- P 1.3-1. Charge and current.
- P 1.3-3. Charge and current.
- P 1.3-4. An electroplating bath.
- P 1.6-2. A walker’s cassette tape player.
- P 1.6-3. Voltage, current, power and energy.
- P 1.6-4. An automobile battery.
- P 1.6-6. Voltage, current and power.
- P 1.6-8. Power and energy absorbed by a flashlight.
- DP 1-1. Power rating of an element.

Please use the following guidelines for your homework solutions:

1) On the first sheet, at the top, indicate that this is EE 261/Spring 2004/HW #1 Solutions and provide your name somewhere on that sheet where the grader can easily see it.
2) Solve each problem on a separate sheet unless there is a solution which is very short.
3) Do not use the back of the sheets unless you have to.
4) Staple your solutions in the above order before you turn them in.

Please turn in your homework on time. The solutions for each homework will be provided as a separate handout on the due date.