

UNIVERSITY OF CALIFORNIA AT BERKELEY EECS Department

**EECS 40, Summer 2005**  
**Instructor: Octavian Florescu**  
**Homework #1**

**Due Monday, 6/27/05 at 6PM in HW Box (2<sup>nd</sup> floor lounge)**  
**Total Points:**

**Note: Be sure to put (1) your name and (2) discussion section number on your homework. You will get the graded homework back in your discussion session.**

**Current and voltage**

Problem 1: Problem 1.8 in the textbook

**Power and energy**

Problem 2: Problem 1.14 in the textbook

**Kirchhoff's Current And Voltage Law**

Problem 3: Problem 1.28 in the textbook

Problem 4: Problem 1.34 in the textbook

**Introduction to Circuits**

Problem 5: Problem 1.50 in the textbook

Problem 6: Problem 1.52 in the textbook

Problem 7: Problem 1.53 in the textbook

Problem 8: Problem 1.58 in the textbook