

EECS 210
Introduction to Electrical Engineering I

Fall 2000

Hwk Assignment 3: Due Wed. Sept. 27, 2000

Reading:

1. Ch. 2, Sections 2.1-2.4, 3.1-3.4, 4.1-4.2 and 4.4.

Exercises:

1. Problem 1.8 (Ignore statement “the charge at the upper terminal is zero at the instant the current is passing through its maximum value.” Find an expression for the amount of charge that has entered the upper terminal as a function of time.
2. Problem 1.10
3. Problem 1.11
4. Problem 1.13
5. Problem 1.14
6. Problem 1.27 (Note error in figure in older version of textbook. This error is corrected in revised printing of the text).
7. Problem 2.2
8. Problem 2.3 (This problem is asking you to verify whether the sum of the powers dissipated by all devices is equal to zero, as it must be if the circuit is valid).