

**UNIVERSITY OF CALIFORNIA, SANTA BARBARA**

Department of Electrical and Computer Engineering

ECE 205A

Fall 2008

Instructor: K. Rose

**Homework Assignment #2**

**(Due on Wednesday 10/22/2008)**

**Problems:** Chapter 2 prob. 5, 6, 14, 15, 34; Chapter 4 prob. 12.

(In the 1st edition: Chapter 2 prob. 6, 10, 18, 21; Chapter 4 prob. 7, and 10.)

Note that the last problem involves the term “entropy rate”, to be covered on Monday.