Department of Electrical & Computer Engineering University of California, Santa Barbara

ECE 235 Fall 2008 Shynk H.O. #4

HOMEWORK #2

Due Friday, October 10, 2008 (5:00 p.m.)

Reading: Read Chapters 3 and 4

Problems:

- 1. Show that the power set \mathcal{P} of the finite sample space Ω with n outcomes has 2^n elements.
- 2. Problem 2.18
- 3. Problem 3.8
- 4. Problem 3.21
- 5. Problem 3.28
- 6. Problem 3.35