

## 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  $\Omega$  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