

## HOMEWORK #2

Due Friday, October 7, 2011 (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 2.26
4. Problem 3.8
5. Problem 3.21
6. Problem 3.28