Probability (MATH 4733 - 01) Fall 2011
Homework 3

Due: Wed. Sep. 14, start of class

Instructions: Please read the homework policies and guidelines posted on the course webpage. You may **not** use a calculator (or computer). Make sure to write your name and course number in the top right corner of your solution set, as well as the assignment number on top. Please staple your homework. Sections and exercises refer to the exercises in the required course text.

Reading

Read Section 2.5.

Conceptual questions

⋆ What is the difference between A and B being independent and equally likely?

⋆ If A and B are independent, what does that mean in terms of conditional probabilities?

Written Assignment

Total: 100 points. Each problem is worth 10 points unless otherwise noted.

Section 2.4: 29 (5 pts), 35 (5 pts), 44, 47

Section 2.5: 1, 5 (5 pts), 10 (5 pts), 12, 14, 21, 23, 26

Note on 2.5.21. You should assume Bob and Charlie will always act according to the optimal strategy for their own survival.