Probability (MATH 4733 - 01) Fall 2011
Homework 10

Due: Mon. Nov. 21, start of class

Instructions: Please read the homework policies and guidelines posted on the course webpage. 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.

You may not use a calculator or computer except for basic arithmetic operations $(+, -, \times, \div)$ or to give a decimal approximation to an exact answer you have (e.g., $e^{-2} \approx 0.135$). In particular, you may not use a calculator/computer for integration.

Reading

Sections 3.10 and 3.11.

Conceptual Questions

1. Review any exam problems you missed.

2. What does a conditional pdf mean for a discrete random variable? A continuous random variable?

Written Assignment

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

Section 3.10: 1, 2, 3, 9, 10 (5 pts)

Section 3.11: 1 (5 pts), 3, 4, 11, 12, 15