Statistics 245, AUTUMN 2005
Home Work Assignment #6, Due IN Lecture FRIDAY, 11/4

Please remember to put your TA’s name on your homework.

You are required to turn in problems in Item #1. You must still solve all problems, as they will be useful for quizzes and exams.

1. Text Book Chapter 4, Problems: 60, 69, 72, 76
   Calculus Supplement Exercise: 4.8
   Text Book Chapter 3, Problems: 7, 10, 30

2. Text Book Chapter 4, Problems: 70, 78, 79, 81, 82, 116
   Text Book Chapter 3, Problem: 23
   Extra Problem: For the density curve from Problem 4.56, find the mean and variance.
      To do this, you will have to use the following formula for the density curve:
      \[ f(x) = \begin{cases} 
      x & \text{for } 0 \leq x \leq 1 \\
      2 - x & \text{for } 1 \leq x \leq 2 \\
      0 & \text{elsewhere.} 
      \end{cases} \]