Homework 3, Stat/Ma 320 Fall 2004

Due Sept. 16

1. Page 114 problem 8.

2. Page 116 problem 22.

3. Page 115 problem 20.

4. Suppose an airplane has 60 seats. Airline usually oversold i.e. they sell more than 60 tickets on this flight.

   Suppose the Airline sold 63 tickets and each ticket holder has 0.01 chance to miss the flight, find the probability that every ticket holder appear on time will have a seat. (Hint: make use of binomial probability distribution.)