Written Problem 5

Your assignment this week is a problem from the textbook. You must answer all parts of question 45 of section 6.1. Your solution **should not** look like it would if this was part of your problem set for this section. It should be written up neatly and clearly and include all the steps you took to arrive at your answers, the reasoning behind each step, and pictures, diagrams and graphs to help you explain your answer. There are no exact calculations in this problem, and only one estimating calculation, so there will be no way to receive points for having a poorly presented "correct" solution.