Math 640A **Fall 2005**
Homework 7, due Friday 4 November.

1. (10 points) Section 4.6 problem 33.

2. (20 points) Section 4.7 problems 1 and 2.

3. (15 points) Section 5.1 problem 8.

4. (25 points) Do this problem as a Good Problem, paying attention to all the handouts, especially *Graphs*.

   Section 5.1 computer problem 1. Be sure to graph r_k versus k. You may need 200 or more steps to show the interesting effect.

5. (20 points) Section 5.2 problem 1.

6. (10 points) Section 5.2 problem 37 part a.