Math 446/546 **Spring 2009**
Homework 1, due Monday 6 April.

1. (10 points) Section 6.1 problem 4.
2. (15 points) Section 6.1 problem 6 parts a and b.
3. (15 points) Section 6.1 problem 19.
4. (20 points) Section 6.2 problems 2c, 4c, 6c, and 8c.
5. (20 points) Section 6.2 problem 32. Make actual, functioning code with comments (in e.g., MATLAB). Print out and turn in your code. Test it on the system in 8c and show the results.
6. (20 points) Do this problem as a Good Problem, paying attention to the *Layout* handout. You are encouraged but not required to LaTeX your good problems. See the back of this sheet for a description of the Good Problems. Target length is 2 pages.

   Write your mathematical autobiography. Include your background, current interests, future goals, why you are taking this class, and whatever else is relevant or interesting.