

Math 640A

Fall 2005

Homework 1, due Tuesday 13 September.

1. Buy/ find/ acquire the textbook: *Numerical Analysis: Mathematics of Scientific Computing*, 3rd edition, by David Kincaid and Ward Cheney, Brooks/Cole, 2002. Read the book!
2. (40 points) Do this problem as a Good Problem, paying attention to the *Layout* handout. You are encouraged but not required to L^AT_EX your good problems. See the back of this sheet for a description of the Good Problems.

Write your mathematical autobiography. Include your background, current interests, future goals, why you are taking this class, and whatever else is relevant or interesting. Target length is 2 pages.

3. (30 points) Section 1.1 problems 9, 12, and 23.
4. (30 points) Section 1.2 problems 8, 14, and 40.