Assessment #5

Math 370 — Numerical Analysis

Assigned: Fri Feb 28 — **Due: Fri Mar 07**

Do the following homework questions found in the text book (*Numerical Analysis*, Burden & Faires (5th Edition), 1993). Odd-numbered problems have solutions in the back of the text.

1 page 108, #1(a)

2 page 108, #5(a)

3 page 108, #6

4 page 111, #21

5 page 111, #24

6 page 111, #25

7 page 120, #4

8 page 142, #1(a),(c)

9 page 142, #6

10 Write down (atleast) one paragraph describing in detail **how** you solved one of the problems on this Assessment. Describe your thought processes, feelings and calculations. Be as specific as you can.

Journal

Write down a paragraph on any subject related to the class that you want to. This week I would especially like to read your feedback on the selection of course topics that you would like to see us go through in numerical analysis. It is likely that we will **not** get through the entire list of class topics that I had distributed earlier. Thus I would like to get some sense of what topics people think are important. This goes back to the idea of what are your reasons for taking this course and what you would like to get out of it. I'd like some sense of how well you think the course is living up to your expectations.

As always you can comment on any other feature of the class that you like (or dislike).

Online Participation

A new discussion topic! "What is the point of numerical analysis? How practical are the techniques that we have been learning? How often do people *really* need to interpolate data or find the root of an equation?"

Discuss!

To participate, send electronic mail to `370@abacus.oxy.edu`