Problem Set 3
Numerical Analysis, MATH 3377/6577
Due Wednesday, October 23, 2024

Do the following problems from the text, *Numerical Analysis*, 10th edition, by Burden, Faires and Burden.

Each item is worth 10 points.

1. Section 3.2: 1b and 2a

2. Section 3.2: 6

3. Section 3.3: 1a and 2b

4. Section 3.3: 8

5. Section 3.3: 30

6. Section 3.4: 1d and 3d

7. Section 3.4: 6b

8. MATLAB Exercise:

   a) Solve problems 27 and 28 of Section 3.5
   b) Make a MATLAB plot for each of your solutions to the problems in part (a).

9. Section 3.5: 3c and 7c

10. Section 3.5: 24

For Graduate Students:

11. Section 3.3: 18

12. Section 3.5: 29