

Math 170B: Numerical Analysis, Winter quarter, 2006

Homework Assignment 2

Due Wednesday, January 25

1. Solve Problem 1 of Exercise Set 2.3. Use a calculator but not Matlab.
2. Solve Problem 4 of Exercise Set 2.3. Use a calculator but not Matlab.
3. Write a Matlab code to implement Newton's method and solve Problem 5, Part (a) and Part (b), of Exercise Set 2.3.
4. Write a Matlab code to implement the Secant method and solve Problem 7, Part (a) and Part (b), of Exercise Set 2.3.
5. Solve Problem 6 of Exercise Set 2.4.
6. Solve Problem 11 of Exercise Set 2.4.