

Numerical Computing F25
HW 2
Due Sept 25

2.1 (a), (d), (f)

Your answers for (d) and (f) should be graphical (i.e., use the plot to answer the question).

2.10 (b)

2.15 (a), (b), (d) (MATLAB problem)

In (d) you can use the secant method if you want; make sure to state this in your writeup.

3.2, 3.13, 3.23 (c)

3.11 (b)-(d)

3.45 (MATLAB problem)

MATLAB part of the assignment (what to turn in):

2.15(d). The commands should be in a m-file; you should turn in a copy of the m-file as well as the printed output. The output should be values of k , x_k , and the relative iterative error (note x_k should be given to at least 9 significant digits and the error to two significant digits)

3.45 The commands should be in a m-file; you should turn in a copy of the m-file as well as the printed output. The output should be the entries in Table 3.8 of the text.