

Homework 2 due February 11th

Numerical Analysis, Spring 2019

All the exercises are from Chapter 4 (Section 4.7).

Please show your work. For the programming exercises also hand in your MATLAB codes and outputs. (You can use the MATLAB function *diary* to copy your command window output.) Page <http://academics.davidson.edu/math/chartier/Numerical/matlab.html> contains matlab m-files mentioned in the assignments, but you can (and are encouraged to) write your own routines.

All students: Exercises 2(b), 3, 5, 6, 9, 11(a) and 11(c), 12.

MTH 464 student (in addition to the previous problems): Exercises 13 and 15.

MTH/CS 364 students are welcome to do these exercises too, they can bring you some bonus points.