

## MA-UY 4423 Homework 4

Due: 6:00pm March 10, 2015

The following problem is a **programming exercise**. It **should be done in MATLAB**, and you should turn in four files:

- hw4-a.m
- hw4-b.m
- hw4-c.m
- hw4-d.m

Each file should be able to be run in MATLAB, and produce the output requested in the problem in the text.

This assignment will require downloading and using the Chebfun package from [www.chebfun.org](http://www.chebfun.org) (this is the updated website since the book was published). Each part of the problem will be worth 10 points.

1. Greenbaum & Chartier, 8.8.4 (all parts)