

CS412-1 Homework 4
Due: April 7, 2006 @ noon

The question numbers refer to the exercises at the end of each chapter in the class text. If you choose to use MATLAB to solve problems, follow the specified restrictions and include the MATLAB functions and results in your homework solution. **Show all of your work and clearly label your results.**

Question 1- Do not use polyfit. (You may confirm your solutions with polyfit.)

Part A. 12.4

Part B. 12.7

Question 2- It is acceptable to use the polyfit function as needed.

Part A. 13.5

Part B. 13.6

Part C. 13.7

Question 3- Use any MATLAB functions; just show all code and results.

Part A. 12.8

Part B. 13.12

Question 4- Show all work.

Part A. 14.2

Part B. 14.3

Question 5- It is acceptable to use the polyfit function as needed.

14.6

Question 6- It is acceptable to use the polyfit and besselj functions as needed.

14.10