Due at the beginning of class on Monday, October 11

**Instructions:** Complete the following problems on your own sheet(s) of paper. Be as neat and clear as possible – points will be awarded not for not only for accuracy but overall neatness. You may not ask other students for help on these problems, although you may ask for my help.

1. From the book, section 9.3, #12
2. From the book, section 9.3, #18
3. From the book, section 9.4, #30

For the following problems you should use MATLAB, a software package that should be available on most any computer on campus, especially the labs in Knott Hall. You can look at Dr. Xenophontos’ document “Beginner’s Guide to MATLAB” that is linked both through Blackboard and the main course website. Also, you can look at the MATLAB files found in the H:\Oberbroeckling\MA351 directory (the files have the .m extension) for help on the commands necessary to get the graphs you need. You should graph the functions using several views and domains and print each graph out with titles and labels. Not only should you include the graphs for each problem, but a brief explanation on how you reached your answers.

3. From the book, section 9.6, #28
4. From the book, section 9.6, #30