MTH 305 Spring Semester 2014
Problem List 1.1
Due 1/28/14

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NOTE: Late homework will NOT be accepted. You are encouraged to work through problems together and bounce ideas off of one another; however, the actual write up should be done on your own. This means your homework should not be identical to another person's. You are also encouraged to ask questions during office hours. Solutions should be submitted at **the beginning of class** in clear writing, using complete sentences where appropriate. They should be written neatly, multiple pages should be stapled, and you must **show all work**. This means you must clearly show each step in calculations, label all axes on all graphs, label limits, etc. Points will be deducted from assignments not following these guidelines.

1. Text page 23 (1.1 Exercises), problems #8, 10, 12

   For each of these, find both a recursive and direct formula. Don't forget to find y_1!

2. Text page 23 (1.1 Exercises), problems #28, 30, 32, 36

   For each of these, justify your answers using rules or properties that we've discussed.

3. (You may also want to do some of the odds in the same section, so that you can check your solutions with the back of the book, but I won't grade those.)