

Math 150B Spring 2011

Independent Study on Differential Equation

Rules

1. Do your own work
2. Show all your steps
3. Your answers must be typewritten - handwritten answers will not be graded. You may use any system you want (e.g., Word, Latex, Mathematica, etc., to do the typing). Some suggestions on how to use Latex are given at <http://biomathman.com/latex>. A latex template is given at <http://biomathman.com/math150B/template.tex>.
4. The assignment must be turned on the same day as the final exam (no later) before the final exam is handed out.

Assignment

Read Chapter 10, Differential Equations, in the textbook. Complete the following problems:

Section 10.1: 2, 10

Section 10.2: 24

Section 10.3: 16, 36

Section 10.4: 6, 8

Section 10.5: 18, 20, 24

Suggestion: Read each section carefully then do the exercises. Do some odd-numbered exercises adjacent to the assigned exercises and check your answers to make sure you understand the material before attempting the assigned exercises.

Grading

This assignment is optional and may count up to 10% of your grade. Each problem will be counted equally. Any work that is successfully completed will increase your total grade points for the semester.