

Math 23
Differential Equations
Winter 2013
Assignment 1
Due January 16, 2013

Remember:

1. Please show all of your work (writing a list of answers is not sufficient).
2. Please indicate the people you worked with.
3. Please **staple** your pages together.
4. Please write up Parts A and B separately; that is, you will be handing in **two** write-ups.

1. Part A

- Section 1.1: 20, 21 & 22
- Section 1.2: 7, 12 & 13
- Section 1.3: 9 & 18

2. Part B

- Section 2.1: 4c, 15 & 18
- Section 2.2: 6 (**Hint:** Don't forget to look for constant solutions.) & 8
- Section 2.3: 3, 4 & 19 (for part (c) only do Lake Superior)