

HOMEWORK 1

MATH 23, SPRING 2007

This homework set is due Monday April 2, 2007 at the beginning of class.

- (1) The first thing to do is to get matlab up and running on your machine. Take a look at our homepage for instructions. Matlab will not be necessary for this homework set but will be useful later.
- (2) Next, you should get a copy of the dfield7 software discussed in the first lecture. For this homework, you can use the java version if you like.

Problem for Boyce and di Prima. For each problem, please show all of your work in a coherent manner. Explain your methodology in complete sentences.

- 1.1#1, 3, 11, 12 (use the dfield software to draw the pictures)
- 1.2#5, 7
- 1.3#1, 9, 17