Maple Output 2D Math 2D Output

Math 325

Spring, 2000

Assignment 1, due January 26

Unless otherwise indicated, all problems are to be done by hand. All page numbers refer to Boyce and DiPrima. All Problem Sets are in Differential Equations with Maple.

Read Section 9 of Chapter 3 and Sections 1-3 of Chapter 4 in Boyce and DiPrima and Chapters 1-3 in *Differential Equations with Maple*.

Warning: One difference between Maple V Release 4 and Maple 6 is that in Maple 6, % refers to the last output (instead of ″).

Do:

Problem Set A

p. 206 #18. Also, do (c) Find the solution $u(t)$ for $\omega = 1$. Describe its behavior as $t \to \infty$.

p. 212 #3,7,8,14,17,25.

p. 219 #21,29,30.

p. 224 #9,17,18. Also do #9,18 with Maple. In #18 is the answer the same as the one in the back of the book? If not, are both correct?