

## Math 325, Spring 2000

### Assignment 3, due February 18

Read Boyce and DiPrima, Sections 7.3-7.4.

Do p. 340 #5,15,16, p. 351 #1-4,8-10,14,18,22,25,26, p. 363 #1-3,6,7, 12-16,25a,32-34.

You may want to start learning the Maple linear algebra commands. You can find descriptions of the ones you will need in the web page “Linear algebra in Maple,” which is available from the Maple/Hints web page, and in Chapter 12 of *Differential Equations with Maple*.

**Extra credit:** For extra credit, you may do any of the assigned problems using Maple, in addition to doing them by hand.