

Math 20750
Spring, 2016

Assignment 6, due Friday, February 19

Reread §§3.1–3 in Polking, Boggess and Arnold and read §6.1.

Do:

§3.1 #10,11,15,16 In #11(c), you can use any technique to solve the equation.

§3.3 #2,6,7,10

§6.1 #3 (by hand), 4 (by hand), 7,8 if we get far enough Monday. Here “by hand” means don’t use a program to solve the problem. It is OK to use a calculator or MATLAB or a spreadsheet to do the arithmetic.

Reread chapters 5 and 7 in *Differential Equations with MATLAB*[®] and read chapters 8 and 9.

Do as a MATLAB group:

Problem Set B #14

Hint for Problem Set B #14(b)

- Be sure to answer all parts of the question.
- Be sure your explanation is from the differential equation. For an explanation, modify the argument on p. 80 of *Differential Equations with MATLAB*[®]. (The argument doesn’t apply because this equation isn’t autonomous, but the ideas in the argument do apply.)