

Differential Equations – Homework 26

Professor:

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Homework 26

These problems are from Chapter 4.1 in the book.

Directions: Do the following book problems

Chapter 4.1 Problem 1, 2, 3, 6, 8, 11, 12, 14, 20

Other Notes:

1. Theorem 1 in chapter 4.1 defines existence and uniqueness conditions for linear first order systems. Check it out!
2. In problems 1,2,3,6, and 8 just transform the system, no need to solve.
3. If you are in, or have taken, electronics class, you might be interested in problem 33.