MATH 226

Differential Equations

Assignment 8

Due Monday, October 10

Read Section 3.3: "Homogeneous Linear Systems with Constant Coefficients." Review the material in Appendix A: "Matrices and Linear Algebra" Familiarize yourself with the content to help identify what you may have forgotten since MATH 200.

Problems

You should do all these problems by hand initially. You may then use *Maple* or MATLAB to check your answers.

Practice Problems:

Section 3.1: 13, 15, 23, 38
A.2: 1c, 7, 11, 12
A.3: 11
A.4: 1, 4, 10

Feedback Problems:

Section 3.1: 23, 38
A.2: 11
A.4: 4