

## MATH 226

### Differential Equations

#### *Assignment 8*

*Due Monday, March 9*

**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 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