**ENGR 2011: Engineering Analysis and Applications**

**Homework No. 2: Solving Systems of Linear Equations**

**Goal:** Demonstrate that you can do some simple linear algebra in Python.

**Textbook Problems:** 1.1.2, 1.1.7, 1.1.15, 1.2.2, 1.2.4, 1.2.9, 1.2.10

**Computer Problems:**

Write a Python script that solves each of the above problems. Name your script according to the problem number. For example, for problem 1.1.2, your script would be:

/data/courses/engr\_2011/homework/current/hw\_02/p1.1.2.py

This script would set up the system of equations using a matrix representation and solve them using a Python function call that solves the equations.

If a set of equations has no solution, or generates an error, your script should display an informative error message.