**ENGR 2011: Engineering Analysis and Applications**

**Homework No. 5: Linear Transformations and LU Factorization**

**Goal:** Demonstrate that you understand the properties of linear transformations.

**Textbook Problems:**  2.6.1, 2.6.3, 2.6.8, 2.6.25, 2.7.1, 2.7.4, 2.7.9

**Computer Problems:**

Use Python to demonstrate that the concepts embodied in the above problems are true. For example, for problem 2.6.25, demonstrate that composition works in Python.