Week 8

Monday March 17 Class 19:

**Introduction to Linear Transformations.** Professor Naimi will begin to examine a graphical interpretation for the matrix operations we have been considering by introducing the generalization of a linear transformation.

**Reading:**

Poole, Section 3.6

**Homework #17:** (due March 19)

Poole, Section 3.6: 1, 2, 3, 6, 7, 15, 17, 19. EXTRA CREDIT 28

**QUIZ #6 DUE**

Wednesday March 19:

**Fundamental Vector Spaces, Continued.** We shall continue our discussion of the fundamental vector spaces of a matrix, and understand dimension and basis.

**Reading:**

Poole, Section 3.5

**Homework #18:** (due March 21)

Poole, Chapter 3 Review: 1, 11, 13, 14, 15.

Friday March 21:

**Linear Transformations, Continued.** Professor Naimi will complete explaining Section 3.6 of the book by illustrating the graphic visualizations of linear transformations.

**Reading:**

Poole, Section 4.1

**Homework #19:** (due in Class 22)

**QUIZ #7**

**TERM PROJECT PROPOSAL DUE TODAY**