Homework Assignment Number 20
Due: Monday October 27, 1997

Section 4.2: Projections
Problems: 1, 2, 3, 5, 6, 7, 11, 12, 14, 17

Homework Assignment Number 21
Due: Monday, November 3, 1997

Section 4.4: Orthogonal and Orthonormal Bases
Problems: 1, 2, 4, 5, 6, 9

Homework Assignment Number 22
Due: Wednesday, Nov 5, 1997

Section 4.4: Gram-Schmidt
Problems: 13, 14, 15ab, 16, 20, 22, 31

Homework Assignment Number 23
Due: Friday November 7, 1997

Section 5.1: Determinants
Problems: 1, 3, 4, 5, 7, 8, 13, 14, 17, 18, 22

Note: You should NOT use formulas for determinants which haven't been presented in 5.1 of the tex.

Homework Assignment Number 24
Due: Mon November 10

Section 5.2: Permutations and Cofactors
Problems: 3, 4, 8, 11, 12, 14, 17, 21, 24

Homework Assignment Number 25
Due: Wed November 12

Section 5.3: Cramer's Rule, Inverses
Problems: 1, 3, 6, 10, 12, 15, 17

Homework Assignment Number 26
Due: Friday November 14

Section 5.3: Volumes
Problems: 18, 19, 21, 24, 26, 27, 28, 36

Homework Assignment Number 27
Due: Monday Nov 17

Section 6.1: Eigenvalues

Problems: 1, 2, 4, 5, 6, 11, 14, 15, 18, 19, 22, 29

Homework Assignment Number 28
Due: Wednesday Nov 19

Section 6.2: Diagonalizing a Matrix
Problems: 1, 3, 8, 10, 13, 14, 19, 21

Homework Assignment Number 29
Due: Wed Dec 3, 1997

Section 6.4: Symmetric Matrices
Problems: 4, 5, 9, 10, 12, 15, 16

Math 221
Homework Assignment # 30
Due Friday, December 4, 1997

Section 7.1:   Linear Transformations
Problems: 1, 3, 8, 9, 10, 12, 13, 14