Math 224
Daily Objectives
Class Session 7
Tuesday, September 18, 2007

2.2: Independence and Dimension

- Definition of rank of a matrix; dimension of row space is equal to the dimension of column space
- Finding a basis for the row space of a matrix, the column space of a matrix, and the nullspace of a matrix
- Rank equation
- Invertibility criterion

2.3: Linear Transformations of Euclidean Spaces

- Definition of a linear transformation
- Bases and linear transformations
- Standard matrix representation of a linear transformation