

## Announcements

- Test 2 has been scheduled on Friday Mar 9, 2001.
- Test 2 will cover material from Chapter 3. You are responsible for all material from lectures and problem sets.
- Calculators will be allowed.

## List of Topics

- Know these:
  - definition of matrices
  - matrix equality,
  - matrix addition, matrix subtraction, scalar multiplication and matrix multiplication.
  - when the above operations are defined and how to perform them successively.
- Finding the inverse of a matrix.
- Solving systems of linear equations using both matrix methods: Gaussian elimination and matrix inverse.
- Know how to determine, using matrix techniques, for a system of linear equations,
  - when a unique solution exists,
  - when infinitely many solutions exist and how to *parametrically* express them *all*,
  - when no solutions exist.