2550 Test 1 Study Guide

The test covers HW 1, HW 2, HW 3.
The test will be mainly computation with probably one proof.

HW 1 Part 1 –
- Computations with vectors: adding, subtracting, scaling, norm/length, dot product
  See problems 1 – 6.

- Set theory notation
  See problems 7-10.

HW 1 Part 2 –
- Proofs with vectors
  See problems 1, 2.

HW 2 Part 1 –
- Matrix calculations: adding, subtracting, scaling, multiplying, transpose
  See problems 1 – 6.

HW 2 Part 2 –
- Proofs with matrices
  See problem 1.
  (Don't worry about problem 2.   Do if you want extra proofs practice.)

HW 3 –
- Solving a system of linear equations with Gaussian elimination.
  See problems 1 – 4.

  Note for HW 3 solving systems:
  - You must solve the system using the method from class/homework when given this kind of problem.   If you use another method you may not get any credit.
  - Practice ones with no solution, one solution, and infinitely many solutions.