18.06 Problem Set 1
Due Wednesday, 16 September 2008 at 4 pm in 2-106.

Please note that the problems listed below are out of the 4th edition. Please make sure to check that you are doing the correct problems.

**Problem 1:** Do problem 27 from section 1.2 in the book.

**Problem 2:** Do problem 8 from section 2.1.

**Problem 3:** Do problem 11 from section 2.2.

**Problem 4:** Do problem 21 from section 2.2.

**Problem 5:** Do problem 14 from section 2.3.

**Problem 6:** Do problem 23 from section 2.4.

**Problem 7:** Do problem 29 in section 2.5

Note that in part (b), the problem might be restated as asking if a matrix $A$ with 1’s on the diagonal, and arbitrary off-diagonal entries, is invertible.