

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.