18.02, Problem set I

General information: You should subscribe immediately (or sooner) to the list server for this class to get e-mail messages – hints, corrections etc. To do so, send an e-mail message from your favorite Athena station to

`listserv@mitvma.mit.edu`

the message should be of the form (no . in 1802)

`subscribe 1802 YOUR NAME`

You may also consult the 18.02 home page, accessible from the Math. Department page at

`http://www-math.mit.edu`

or from my home page

`http://www-math.mit.edu/~rbm`

There you can find the syllabus, problem sets as they become available and general information.

This first problem set is 'due' on Friday Feb. 5. However, do *not* hand it in. Grading will start with the second problem set, due on Friday Feb 13. It will be available by Thursday Feb 4.

General rules for homework: Please try each problem by yourself for 20 minutes or so. After this you may collaborate. However if you do so you are required to write the name of the person (or persons) with whom you have collaborated on your homework. It is not permissible to copy solutions from other people, nor to consult solutions from previous years.

Problems are from the text (EP=Edwards and Penney) or from the supplementary notes (SN) you need the get a copy of these too! Only the version of the notes dated at the bottom of the front page 'M.I.T. 1998' will do. Older versions have different problems.

Rec 1: Read EN Sect 12.1. Problems: EN p. 715 nos. 18, 23, 44. EN p. 716 nos. 47, 50, 53.

Lec 1: Read EN Sect 12.2. Problems: EN p. 725 nos. 11, 41, 43. EN p. 726 nos. 49, 58, 62. SN Sect SP, 1-A4, 1-A5.