18.06 Problem Set 5

Due Thursday, 11 March 2010 at 4pm in the undergrad math office. Please note that the problems from the textbook are out of the 4th edition: make sure to check that you are doing the correct problems. For MATLAB problems, please include a printout of your code with your problem set. You can type `diary("filename")` at the beginning of your session to save a transcript, and `diary` off when you are done.

Non-challenge problems are worth 4 points, while challenge problems are worth 12.

1. Do problems 7, 9, 31 (verify this with MATLAB on a 6 by 12 matrix), 32, and 33 from section 4.1.

2. Do problems 13, 16, 17, 30, 31, and 34 from section 4.2.

3. Do problems 13 (MATLAB allowed) and 17 from section 8.2.