

18.06 Spring 2012 – Problem Set 8

This problem set is due Thursday, April 26th, 2012 at 4pm (hand in to Room 2-106). The textbook problems are out of the 4th edition. For computational problems, please include a printout of the code with the problem set (for MATLAB in particular, `diary('filename')` will start a transcript session, `diary off` will end one.)

Every problem is worth 10 points.

1. Do Problem 3 from Section 6.4.
2. Do Problem 22 from Section 6.4 (now a paradox for you).
3. Do Problem 23 from Section 6.4.
4. Do Problem 30 from Section 6.4.
5. Do Problem 2 & 14 from Section 6.5.
6. Do Problem 28 from Section 6.5.
7. Do Problem 31 from Section 6.5.
8. Do Problem 35 from Section 6.5.
9. Do Problem 7 from Section 8.1.
10. Do Problem 11 from Section 8.1.

18.06 Wisdom.

- Your exams so far make up 30% of your final grade. If you wish to maximize your performance in 18.06, it is all about practice (without this, you won't know what you don't know either). Make a weekly study plan involving doing as many old exams as you can fit in your schedule (find them on the 18.06 web). Organize your work. Be systematic. Learn to check your results. Keep a list of all questions (and confusing concepts) you encounter on your journey, and ask your TAs to explain all the hows and whys. We are here for the same!
- Also try out the great Math Learning Center, that you can visit and ask the instructors your questions in a friendly atmosphere, and at evening hours too: *Room 2-102, Mon-Thu, 3:00–5:00pm and 7:30–9:30pm.*