

18.01 PROBLEM SET 4

Due date: Tuesday, October 28 **before 1pm**. Write your name, the date, the name of your recitation instructor, and the hour of your recitation on the top of your paper. Late work will be accepted only with a medical note or for another Institute-approved reason. You are encouraged to work with others, but the final write-up should be entirely your own and based on your understanding.

Problem 1(50 points) Each of the following 20 exercises from the textbook is worth $2\frac{1}{2}$ points. You must show all work to get credit; copying answers is not allowed.

Section 8.5, p. 282: 6, 10, 12, 14, 16.

Section 10.9, p. 374: 2, 4.

Section 7.2, p. 224: 6, 8, 12, 16, 30.

Section 7.3, p. 229: 2, 8, 16, 22.

Section 7.4, p. 235: 4, 8, 14, 18.