

## 18.01 PROBLEM SET 5

**Due date:** Tuesday, November 18 **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 19 exercises from the textbook is worth  $2\frac{1}{2}$  points (except for Exercise 26 on p. 356, which is worth 5 points). You must show all work to get credit; copying answers is not allowed.

**Section 9.5, p. 318:** 24, 26, 30.

**Section 9.7, p. 329:** 8, 26.

**Section 10.2, p. 339:** 28, 48.

**Section 10.3, p. 344:** 12, 26, 28.

**Section 10.4, p. 348:** 10, 22, 32.

**Section 10.5, p. 350:** 10, 16.

**Section 10.6, p. 356:** 2, 8, 22, 26 (counts for 5 points)