

## 18.700. Problem Set 4

**Due date:** October 17 (Monday) in lecture or in my office before noon on due date. Late homeworks will be accepted only with a medical note or for some other MIT approved reason. You may work with others, but the final write-up should be entirely your own and based on your own understanding.

Each problem is worth 5 points.

**Problem 1:** 1.4.12.

**Problem 2:** 1.4.20.

**Problem 3:** 1.4.21.

**Problem 4:** 1.5.6.

**Problem 5:** 1.5.8.

**Problem 6:** 2.1.2. (c),(e)

**Problem 7:** 2.1.8.

The following problems are recommended for additional practice. They should *not* be turned in with the homework and they will not count towards the homework score. Section 1.4: 7,16,17,19. Section 1.5: 9,12 . Section 2.1: more determinants (as in 1,2), 5,6,9,11,12.