

## Discrete Math 2200. Problem Set 2

**Due date:** Thursday, September 11, in class. Late homeworks are not accepted, except for a medical or some other university approved reason.

Unless specified otherwise, the numbering of the exercises below is as in the textbook (Rosen, ed. 6). Only even numbered exercises will be graded, but I recommend you try to do all of them for practice.

**Problem 1.** Rules of inference. page 72: ex. 8. page 73: ex. 9 a,b; ex. 10 a,d; ex. 13 b; ex. 14 a; ex. 16 a,c.

**Problem 2:** Proofs. page 85: ex. 8, 11, 15, 18 a, 24, 25, 26.

**Problem 3:** Proofs. page 102: ex. 2, 4, 5, 7. page 103: ex. 32.

Extra problem(s) will not be graded: page 86: ex. 39, page 103: ex. 23.