MATH 302 Discrete Mathematics (Spring 2012, Session 501)

Assignment 1, Due on Thursday, 24th Jan., 2012

Reading: §1.1-1.3

Definition: Write down the definitions of the following terms

- proposition, truth value

- converse, inverse, contrapositive

- tautology, contradiction

Problems to be graded

§1.1: 11, 22, 28

§1.3: 14, 17, 18, 22, 29

In addition, do

- simplify the proposition:

$$(p \vee q) \wedge \neg(\neg p \wedge q)$$

Practice problems

§1.1: 3, 13, 18, 34

§1.3: 6, 8, 11, 34