MATH 302 Discrete Mathematics
Assignment 2. Due on Monday, February 5, 2018

The homework will only be checked for completeness.

Read: Sections 3.2, 1.1 – 1.2.
Definitions need to know:
- proposition
- truth value
- converse
- contrapositive
- inverse

Problems to be written down:
§3.2/ 39, 45, 66.
§1.1/ 14, 22, 27, 31(abc), 48,
(note: you need to do all sub-questions for problems other than 31).
§1.2/ 36.
Problem ∗: Use a truth table to verify the following De Morgan’s law

\[ \neg(p \land q) \equiv \neg p \lor \neg q. \]

Suggested Practice Problems:
§3.2/ 61, 62, 65, 71, 75.
§1.1/ 3, 4, 8, 11, 13, 17, 18, 34.
§1.2/ 35