CSci 1302 Assignment 2
Due Wednesday, Feb. 1st in class

Problem 1 (3 points). Exercises 30, 36, 38 on p. 16.

Problem 2 (9 points). Exercises 46, 49, 51 on p. 16.

Problem 3 (6 points). Prove the following using logical proofs (not truth tables):

1. $(q \wedge p) \vee \, ^\sim(^\sim p \vee \, ^\sim q) \equiv p \wedge q$

2. $(p \to q) \vee (p \to r) \vee p$ is a tautology

Problem 4 (4 points). Exercise 18 p. 27

Problem 5 (4 points). Exercises 33, 34 p. 28.