

**CSci 1302 Assignment 4**  
**Due Wedn., Feb. 17th in class**

**Problem 1 (2 points).** Exercises 10, 12 p. 55.

**Problem 2 (4 points).** Exercises 15, 17 p. 55.

**Problem 3 (8 points).** Exercises 21, 25 p. 55. Simplify the resulting boolean formulas (if possible) to construct smaller circuits.

**Problem 4 (6 points).** Exercises 27, 29 p. 56.

**Problem 5 (6 points).** Exercise 34 pp. 57.

**Problem 6 (4 points).** Exercises 3, 9, and 18 p. 73.

**Problem 7 (4 points).** Exercises 24, 26, 28, 30 p. 73.

**Problem 8 (6 points).** Exercises 34, 35, 36 p. 73.