

## CSci 4554 Assignment 6

Due Wednesday, April 26th.

**Problem 1.** Problems 6.5 p. 170 (4 points), 6.9 p. 171 (2 points), 6.12 p. 171 (3 points).

**Problem 2.** Problems 7.1 p. 200 (4 points), 7.2 p. 200 (6 points), 7.3 p. 200 (4 points), 7.4 **only question 2** (2 points), 7.7 p. 201 (5 points), 7.13 p. 202 (6 points), 7.16 p. 203 (5 points).

**Problem 3.** Problems 8.2 p. 234. Additionally find a generator for the group and at least one generator of each of its cyclic subgroups (8 points), 8.4 p. 234 (8 points), 8.5 p. 235 (6 points), 8.13 p. 236 **questions 1, 2 only** (6 points), 8.14 p. 236 (5 points).

**Problem 4.** 9.2 p. 256 (4 points), 9.5 p. 256 (10 points), 9.6 p. 256 (6 points), 9.9 p. 257 (6 points).