CS 275 Homework 3

Maximum points 50

Expected Learning Outcome: Students will learn to

LO 1: Construct inductive proofs.

Do all of the following problems. Each problem is worth 5 points. The TA/grader will pick 10 of these problems randomly and grade only those 10 problems. **You must write the answers to the questions in the same order in which they appear.**

Section 2.5: 2, 6

Section 5.1: 6, 8, 12, 16, 20, 22, 28 (hint: factorize and see), 40

Section 5.2: 4, 6

Additional problems for you to practice. Do not turn in solutions to these problems.

Section 2.5: 3, 8

Section 5.1: 3, 5, 13, 31, 32, 33, 40

Section 5.2: 5, 6, 7, 26