

Math 146 – Discrete Mathematics

Homework II: Set Theory, Functions, Algorithms, and Integer Representations

Due Date: September 28th, 2017

Score: ____/50

Name: _____

Instructions: Complete the following assigned problems, showing as much work as possible. Turn in your work on separate sheet(s) of paper. You can work together in groups as long as your solutions are your own and not copied from a classmate. Solutions typed up in \LaTeX will be awarded extra credit. To earn full credit for the assignment, you should do at minimum 75% of the problems assigned.

Staple this cover sheet to your homework sets before submitting them in class.

2.1 – 1, 3, 5, 7, 9, 11, 17, 19, 21, 25, 32, 41

2.2 – 3, 19, 25, 27, 32, 37

2.3 – 1, 9, 10, 11, 23, 32, 33, 45

3.1 – 1, 3, 4, 6, 9, 13, 20, 27, 37

4.2 – 1(a,b), 2(a,b), 3, 5(b,d), 6(b,d), 7(b,d), 11, 12

Total Number of Problems: 43

Minimum Requirement: 33 out of 43