University of Puerto Rico at Mayagüez

College of Engineering

Spring 2015

**ICOM 4075: Foundations of Computing**

**Problem Set #1**

Please complete each of the following problems as practice on the indicated sections of your textbook. You do not have to submit them for grading, but you should work on them and make sure you can solve all of them independently. The solutions to these problemas will be posted next week on the course website.

1. DMA[[1]](#footnote-1) Section 1.1, Exercise 2
2. DMA Section 1.1, Exercise 4
3. **DMA Section 1.1, Exercise 12 (subsections b, e, f)**
4. DMA Section 1.1, Exercise 15 (subsections d, e, f)
5. **DMA Section 1.1, Exercise 28**
6. **DMA Section 1.1, Exercise 32**
7. **DMA Section 1.2, Exercise 32**
8. DMA Section 1.3, Exercise 8
9. **DMA Section 1.3, Exercise 10 (subsections b, c, d)**
10. **DMA Section 1.3, Exercise 22**
11. **DMA Section 1.3, Exercise 44**
12. **DMA Section 1.3, Exercise 50**

**Note:**

Remember that these exercises constitute a minimum set of exercises. **You should try to solve as many exercises as you can.** The more exercises you solve the higher the chances of learning the concepts in depth and as a result doing well in exams.

1. DMA refers to the class textbook “Discrete Mathematics and Applications” by Rosen [↑](#footnote-ref-1)