University of Puerto Rico at Mayagüez
College of Engineering

Fall 2014

ICOM 4075: Foundations of Computing

Assignment #3

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 on the course website. These exercises constitute a minimum set of exercises. **You should try to solve as many exercises as you can.**

DMA[1] Section 1.6

Exercises 4 c ,d, e; 6; **10** d, e, f; **12**; 14 a, b, c; 20 **26**, **28**

DMA Section 1.7

Exercise 6; **8**; 12; **18**; 20; 28; **42**

DMA Section 1.8

Exercise **2**; 6; 8; 12; **18**; 22

DMA[2] Section 2.1

Exercises 10, 22, **24**, **26**, 34, **38**

DMA Section 2.2

Exercises 10, 14

Exercises**16d** (using 2-way subsets), **16e** (using set builder notation)

Exercises 18e(using membership table), 18d (using set builder notation)

Exercises 36 (2-way subsets & set builder notation & membership table)

Exercises **50c**, 50d

[1] DMA refers to the class textbook "Discrete Mathematics and Applications" by Rosen
[2] DMA refers to the class textbook "Discrete Mathematics and Applications" by Rosen