

University of Puerto Rico at Mayagüez
College of Engineering

Fall 2014

ICOM 4075: Foundations of Computing

Assignment #4 (Due: October 1st in class)

Please complete each of the following problems. Please submit for grading all the problems typed in **bold face** by the due date. All your answers must be hand-written with pencil or ball point and submitted for grading on paper. You should submit your papers stapled and without any folders nor additional binding materials. No type written nor late submissions will be accepted. These exercises constitute a minimum set of exercises. **You should try to solve as many exercises as you can.**

DMA¹ 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

DMA Section 2.3

Exercises 2, 4, 12, 14, **22**, 28, 38, **44**, 48, 52, **70, 72, 74**

¹ DMA refers to the class textbook “Discrete Mathematics and Applications” by Rosen