

CSCE 222 [503] Discrete Structures for Computing
Spring 2015 – Philip C. Ritchey

Problem Set 2

Due dates: Electronic submission of the PDF file for this homework is due on **2/05/2015 (Thursday) before 11:59 p.m.** on <http://ecampus.tamu.edu>. A signed paper copy of the PDF is due on **2/06/2015 (Friday)** at the beginning of class.

Name: (type your name here)

Resources. Discrete Mathematics and Its Applications by Rosen, (additional people, books, articles, web pages, etc. that have been consulted when producing this homework)

On my honor, as an Aggie, I have neither given nor received any unauthorized aid on any portion of the academic work included in this assignment. Furthermore, I have disclosed all resources (people, books, web sites, etc.) that have been used to prepare this homework.

Signature: _____

Problem 1. (10 points) Section 1.6, Exercise 4, page 78

Solution.

Problem 2. (10 points) Section 1.6, Exercise 8, page 78

Solution.

Problem 3. (10 points) Section 1.6, Exercise 14 (c) and (d), page 79

Solution.

Problem 4. (10 points) Section 1.6, Exercise 18, page 79

Solution.

Problem 5. (10 points) Section 1.6, Exercise 34, page 80

Solution.

Problem 6. (10 points) Section 1.7, Exercise 18, page 91

Solution.

Problem 7. (10 points) Section 1.7, Exercise 24, page 91

Solution.

Problem 8. (10 points) Section 1.7, Exercise 38, page 92

Solution.

Problem 9. (10 points) Section 1.8, Exercise 28, page 108

Solution.

Problem 10. (10 points) Section 1.8, Exercise 34, page 109

Solution.

Checklist:

- Did you add your name?
- Did you disclose all resources that you have used?
(This includes all people, books, websites, etc. that you have consulted)
- Did you sign that you followed the Aggie honor code?
- Did you solve all problems?
- Did you submit (a) your LaTeX source file and (b) the resulting PDF file of your homework on eCampus?
- Did you submit (c) a signed hardcopy of the PDF file in class?