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

Problem Set 8

Due dates: Electronic submission of the PDF file for this homework is due on **3/26/2015 (Thursday) before 11:59 p.m.** on `http://ecampus.tamu.edu`. A signed and stapled paper copy of the PDF is due on **3/27/2015 (Friday)** at the beginning of class.
You must show your work. **No work → no credit.**

Name: YOUR NAME

Resources. Discrete Mathematics and Its Applications by Rosen, ADDITIONAL PEOPLE, BOOKS, ARTICLES, WEB PAGES, ETC. THAT HAVE BEEN CONSULTED WHEN PRODUCING THIS HOMEWORK. FAILURE TO CITE SOURCES WILL RESULTS IN FAILURE TO PASS THIS CLASS.

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 5.3, Exercise 8 page 358

Solution.

Problem 2. (10 points) Section 5.3, Exercise 12 page 358

Solution.

Problem 3. (10 points) Section 5.3, Exercise 24 page 358

Solution.

Problem 4. (10 points) Section 5.3, Exercise 32 page 358

Solution.

Problem 5. (10 points) Section 5.3, Exercise 44 page 359

Solution.

Problem 6. (10 points) Section 5.4, Exercise 4 page 370

Solution.

Problem 7. (10 points) Section 5.4, Exercise 6 page 370

Solution.

Problem 8. (10 points) Section 5.4, Exercise 8 page 370

Solution.

Problem 9. (10 points) Section 5.4, Exercise 16 page 370

Solution.

Problem 10. (10 points) Section 5.4, Exercise 26 page 371

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 **every problem**?

( ) Did you submit the PDF file of your homework on **eCampus**?

( ) Did you submit a **signed and stapled** hardcopy of the PDF file **in class**?