Assignment 5 — Chapter 5
CptS 427/527 — Network Security
Assigned: 31 March 2008
Due: 9 April 2008, 4:15 pm

Explain and/or justify all of your answers. Short answers are sufficient, but ‘Yes’/’No’ answers will not receive full credit. If you make any assumptions, please state them.

Chapter 5
Answer the following questions from the Exercises (pgs 316-317).
10 Pts Question 5.5
10 Pts Question 5.6
10 Pts Question 5.11
10 Pts Question 5.11
10 Pts Question 5.12
10 Pts Question 5.14
10 Pts Question 5.18

Answer the following three questions.
10 Pts List eight design principles for trusted operating system design. Why should application and operating system software engineers be aware of these principles?
10 Pts List one security advantage of each of the following design choices: kernelized design, separation/isolation, and layered design.
10 Pts List and define three key assurance techniques.