

Last Name: _____ First Name: _____
Student ID: _____

EME172: Automatic Control of Engineering Systems
Summer Session 1, 2007

Homework 4

Due Monday, July 23, 2007

(150 points)

1. Read Chapter 7 (7.1 – 7.5) and Chapter 8 (8.1 – 8.7) in the textbook *Control Systems Engineering*.
2. (10 points) Problem 6-2.
3. (10 points) Problem 6-12.
4. (15 points) Problem 6-25.
5. (20 points) Problem 6-27. Also, find the frequency of oscillation.
6. (20 points) Problem 6-49.
7. (15 points) Problem 7-9.
8. (20 points) Problem 7-24.
9. (20 points) Problem 7-25.
10. (20 points) Problem 7-35.