ECE 313 – Spring 2004
Homework #11
Due Wednesday, April 21, 2004

All problems are from Chapter 6 in Franklin, Powell, and Emami-Naeini
(4th edition)

1. Problem 6.19, part a): Sketch the Nyquist plot, and estimate the range of positive K values for which the system is stable.
2. Problem 6.19, part b): Sketch the Nyquist plot, and estimate the range of positive K values for which the system is stable.
3. Problem 6.19, part c): Sketch the Nyquist plot, and estimate the range of positive K values for which the system is stable.
4. Problem 6.20: Sketch the Nyquist plot, and estimate the range of positive K values for which the system is stable.
5. Problem 6.25
6. Problem 6.26, part a) and part b)

Important Note: For each computer-generated result, be sure to include a printout of your matlab code and/or a list of matlab commands that you used to obtain your results.