ECE 313 – Spring 2004  
Homework #12  
Due Friday, April 30, 2004

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

1. Problem 6.32, use Bode plots only (i.e., no root locus) to answer the questions regarding instability, PM, and GM.  
2. Problem 6.33.  
4. Problem 6.44.  
5. Problem 6.55  
6. Problem 6.56, part a)

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.