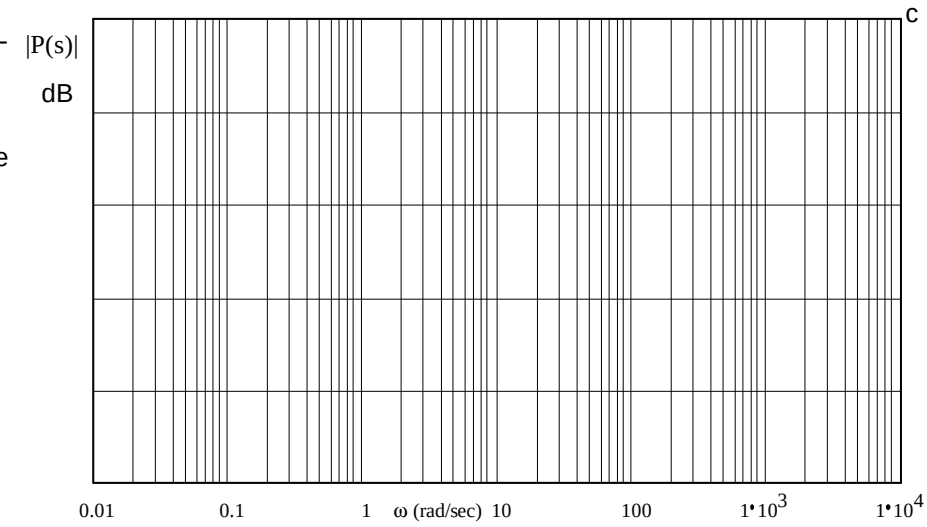
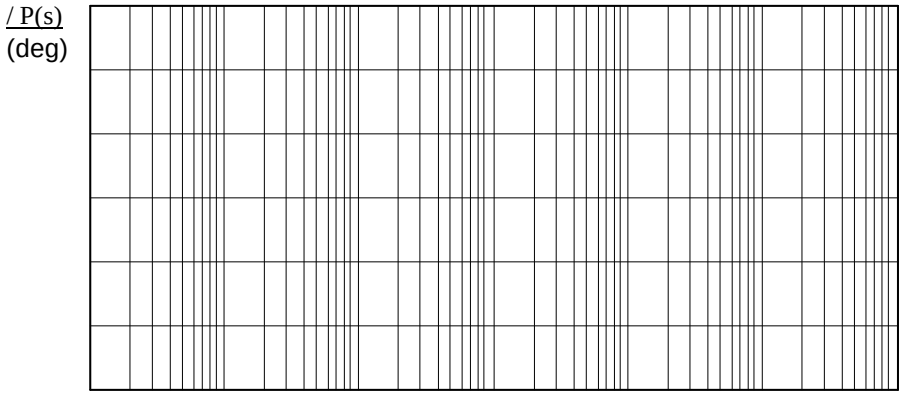
Name: _____

Hw Bd2 Due: Fri, 4/13/12

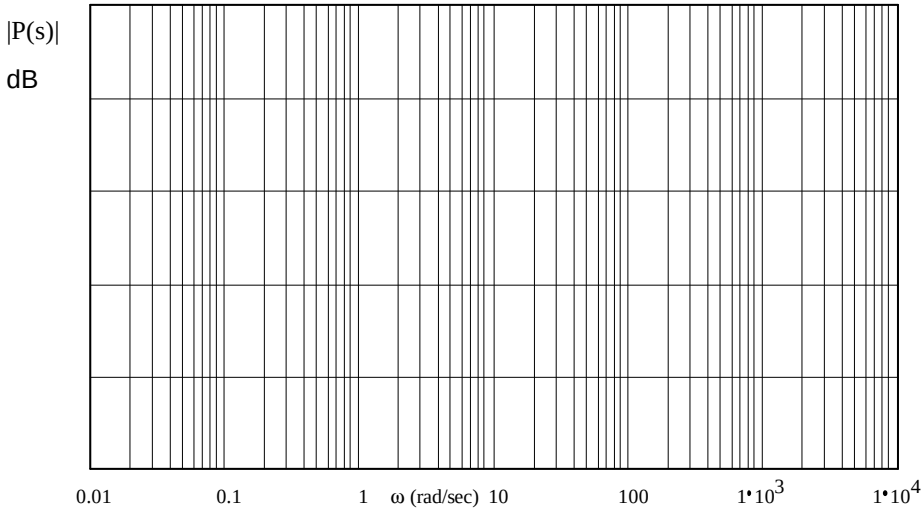
1. Sketch the Bode plots for the following transfer functions. Label the graphs, give the slopes of the lines in the magnitude plot and draw the "smooth" lines.

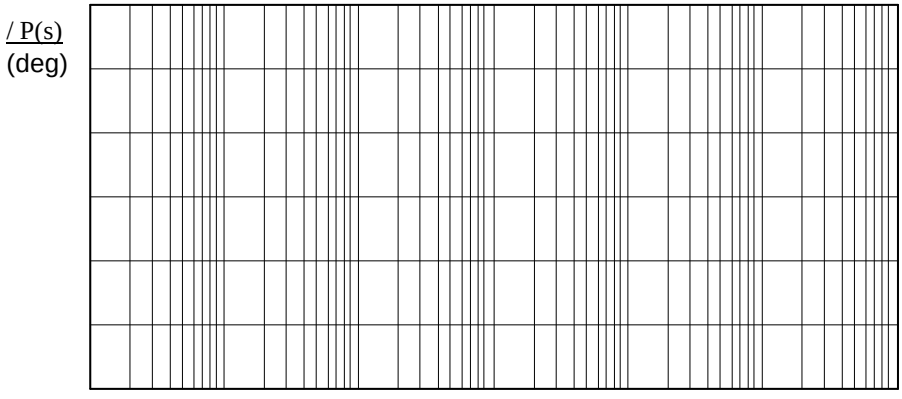
a) $P(s) = \dfrac{s+50}{s^2+0.4\cdot s+4}$



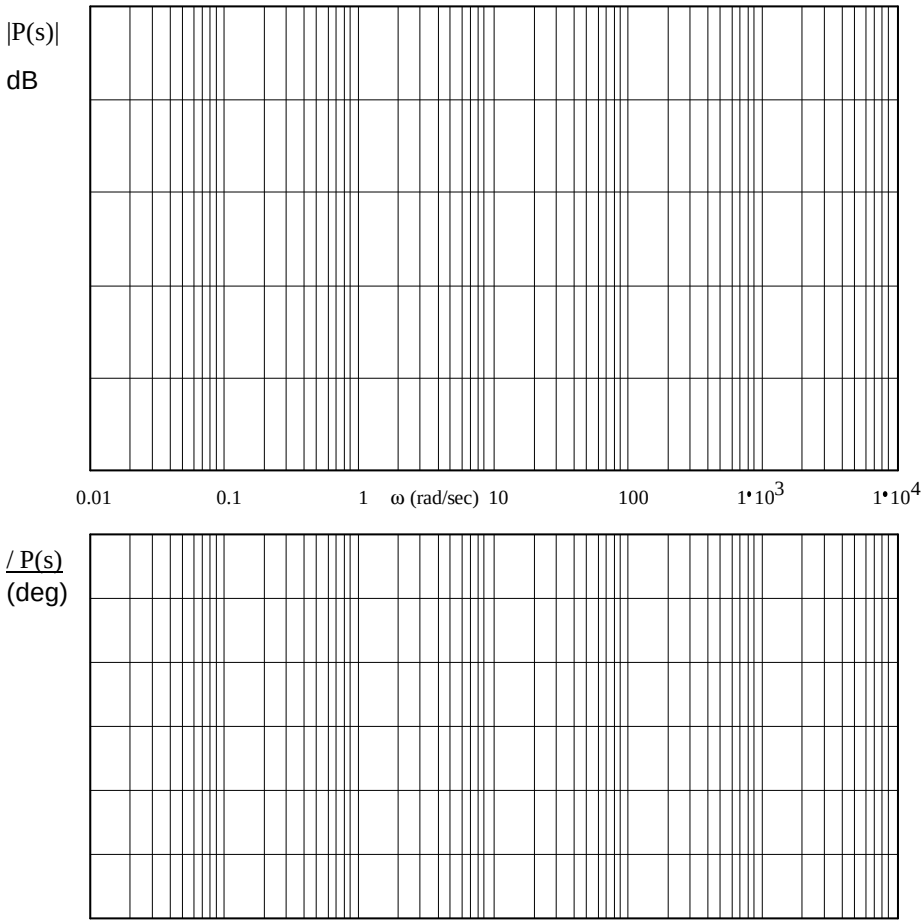
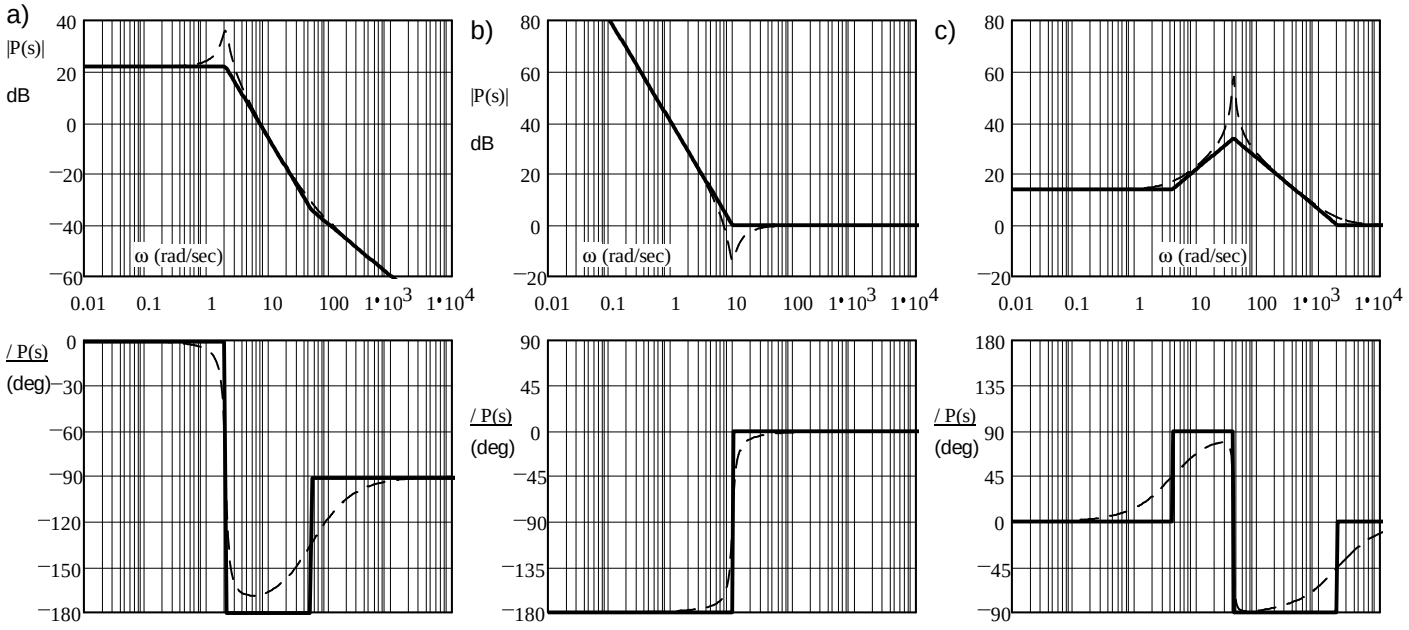


b) $P(s) = \dfrac{s^2+2\cdot s+100}{s^2}$





c) $P_2(s) := \dfrac{(s+4)\cdot(s+2000)}{s^2+2\cdot s+1600}$



Answers