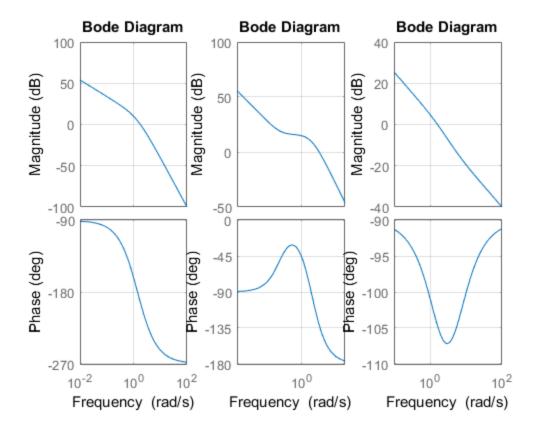
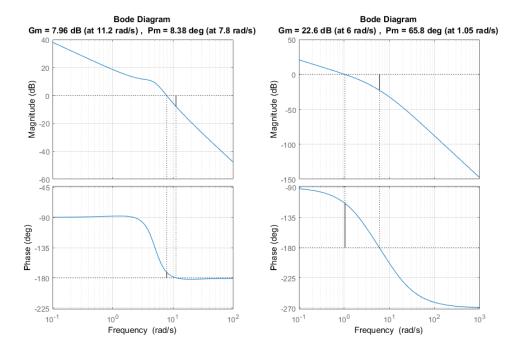
```
% File:
                   ME 430, Computer Assignment 2, Problem 1
% Author:
                    Bradley Anderson
% Collaborators:
                   None
                    Mon, Nov 27, 2017
% Date Created:
% Last Updated:
  Update Notes:
                   n/a
clear, clf, clc
syms s
s = tf('s');
G1 = 10 / ((s)*(s+1)*(s+2));
G2 = (50)*(s+0.1) / ((s)*(s+2)*(s+4));
G3 = (s+3)*(s+5) / ((s)*(s+2)*(s+4));
subplot(1,3,1)
bode(G1)
grid on
subplot(1,3,2)
bode(G2)
grid on
subplot(1,3,3)
bode(G3)
grid on
```



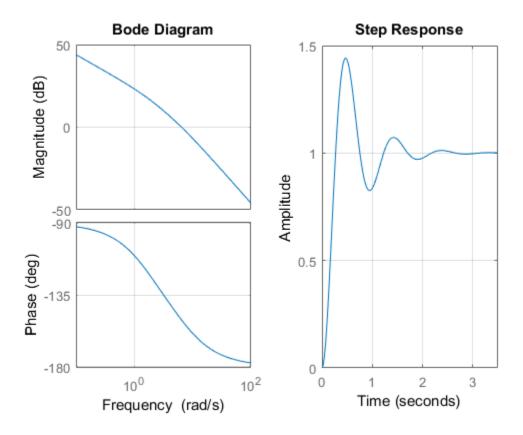
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```
% File:
                    ME 430, Computer Assignment 2, Problem 2
% Author:
                    Bradley Anderson
                    None
% Collaborators:
                    Mon, Nov 27, 2017
% Date Created:
% Last Updated:
  Update Notes:
                    User prompt is commented out to handle
                    publshing
응
clear, clc
%prompt = 'Please enter a value for K: ';
%K=input(prompt);
K = 40;
clf
syms s
s = tf('s');
G1 = K*(s+5) / ((s)*(s^2 + 4*s + 25));
G2 = K / ((s)*(s+3)*(s+12));
subplot(1,2,1)
bode(G1)
margin(G1)
%[Gm1,Pm1,Wgm1,Wpm1] = margin(G1)
grid on
subplot(1,2,2)
bode(G2)
margin(G2)
%[Gm2,Pm2,Wgm2,Wpm2] = margin(G2)
grid on
```



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```
% File:
                    ME 430, Computer Assignment 2, Problem 3
% Author:
                    Bradley Anderson
% Collaborators:
                    None
% Date Created:
                    Mon, Nov 27, 2017
                    ^^
% Last Updated:
    Update Notes:
                    n/a
clear, clf, clc
syms s
s = tf('s');
G = 50*(s+3)*(s+5) / ((s)*(s+2)*(s+4)*(s+6));
subplot(1,2,1)
bode(G)
grid on
subplot(1,2,2)
step(G/(1+G))
grid on
```



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