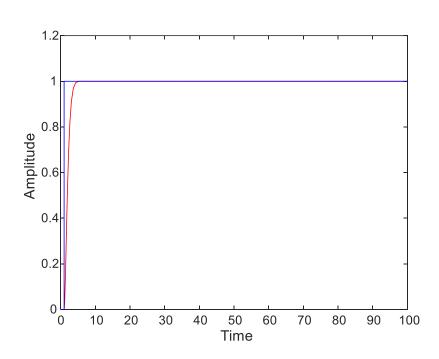
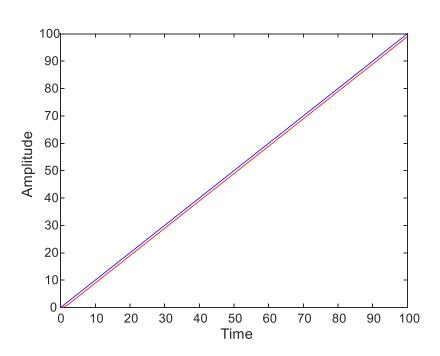
## TALLER MATLAB CORTE 2 JOSÉ ROLDÁN

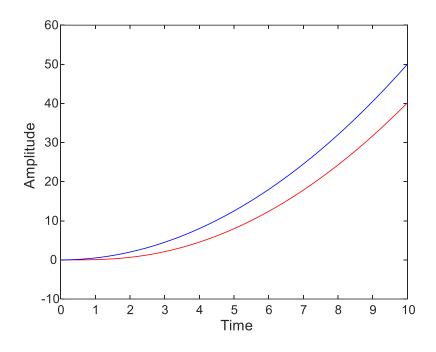
```
1.
C)
Código
s=tf('s');
Ta=3/(s^2+3.2*s+3);
s=tf('s');
Tb=(-1.8*(s-1))/(s^2+5.2*s+5);
step(Ta)%Respuesta al escalon
step(1/s,Ta)%Respuesta a la rampa
impulse (Ta) %Respuesta a la parabola
plot(step a.time, step a.data(:,1),'r')
xlabel('Time')
ylabel('Amplitude')
hold on
plot(step a.time, step a.data(:,2),'b')
xlabel('Time')
ylabel('Amplitude')
plot(ramp a.time, ramp a.data(:,1),'r')
xlabel('Time')
ylabel('Amplitude')
hold on
plot(ramp a.time, ramp a.data(:,2), 'b')
xlabel('Time')
ylabel('Amplitude')
plot(parab a.time,parab a.data(:,1),'r')
xlabel('Time')
ylabel('Amplitude')
hold on
plot(parab a.time, parab a.data(:,2),'b')
xlabel('Time')
vlabel('Amplitude')
step(Tb)%Respuesta al escalon
step(Tb / s) %Respuesta a la rampa
impulse (Tb) %Respuesta a la parabola
plot(step b.time, step b.data(:,1),'r')
xlabel('Time')
ylabel('Amplitude')
hold on
plot(step b.time, step b.data(:,2),'b')
xlabel('Time')
ylabel('Amplitude')
plot(ramp b.time, ramp b.data(:,1), 'r')
xlabel('Time')
```

## STEP a)

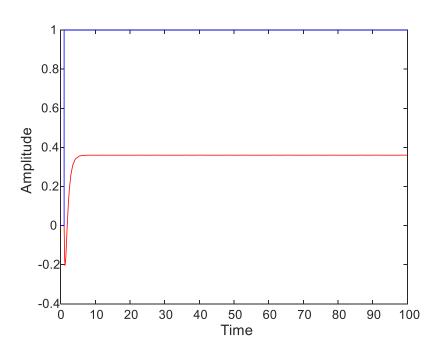




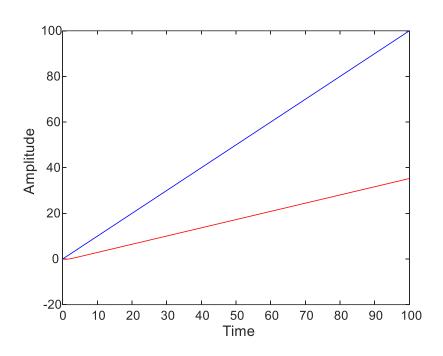
PARABLE a)



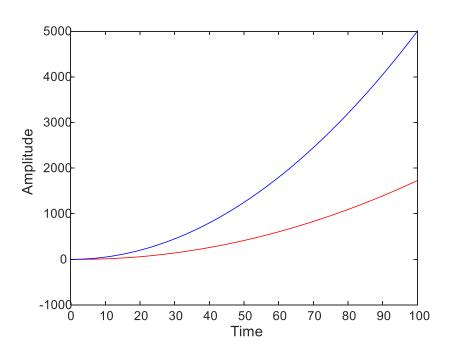
STEP b)

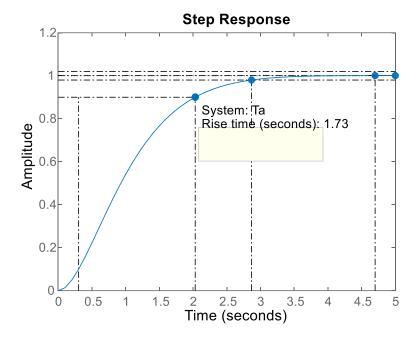


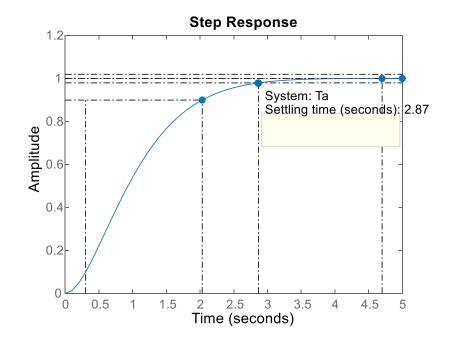


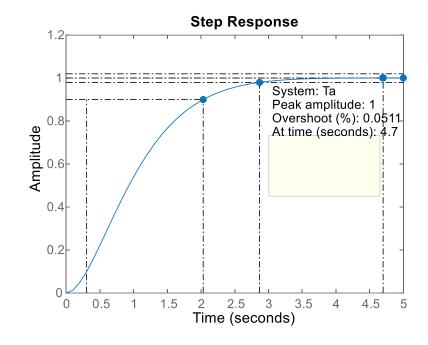


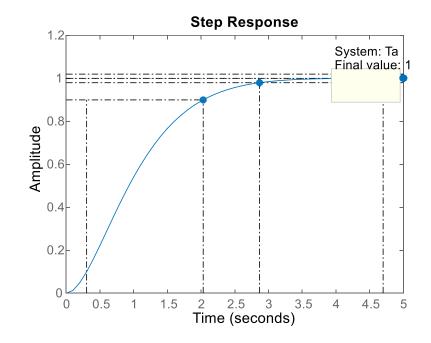
## PARABLE b)

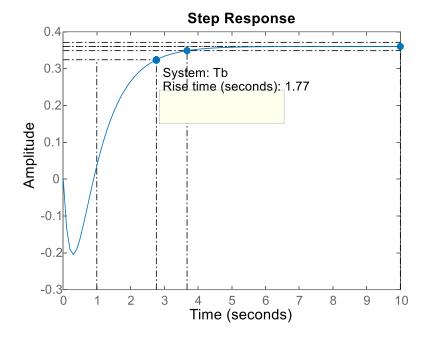


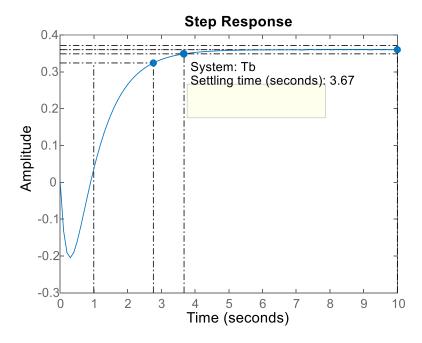


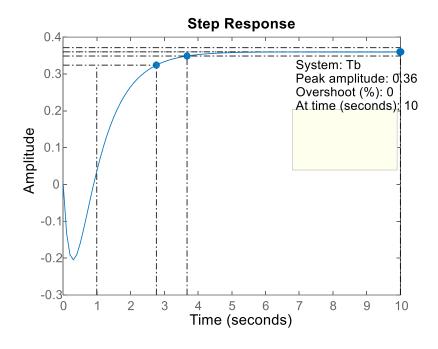


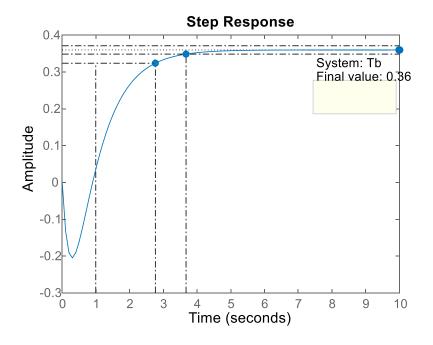






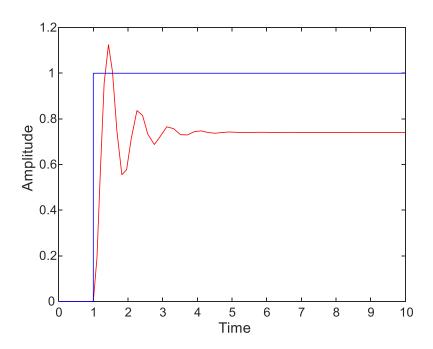


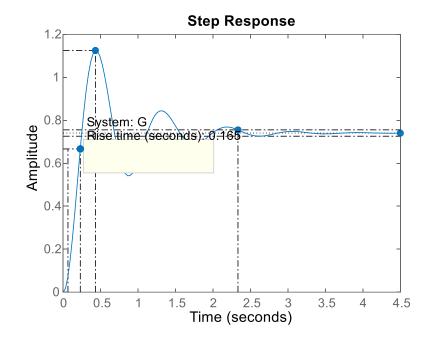


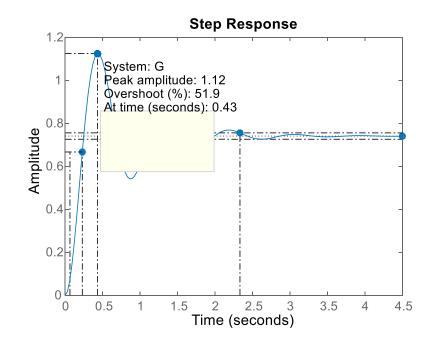


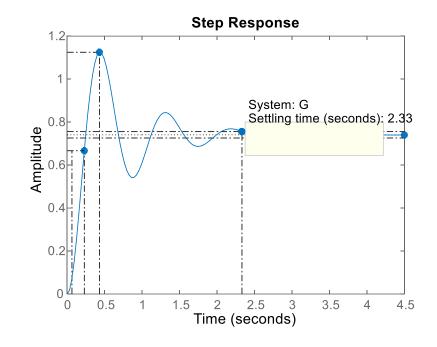
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2.
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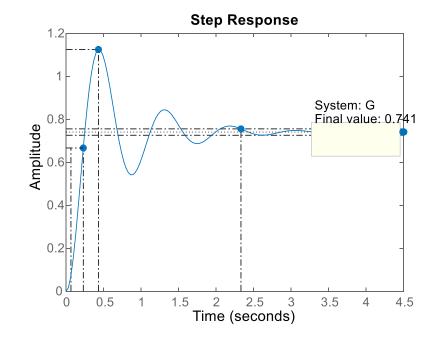
c)



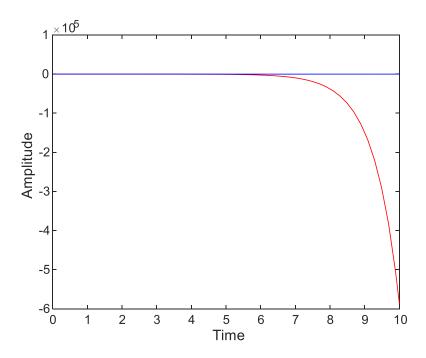








## Kp = -0.5



No posee indicadores de desempeño debido a que es inestable.

3.

