CONTROL LAB 5

1) For the parabolic input, step input and ramp input, write the m-file which calculates steady state errors and error constants of a, b and c systems. (Parabolic input:t^2/2)

   a) $G(s) = \dfrac{1}{(s+1)(3s+1)}$

   b) $G(s) = \dfrac{(s+1)(s+7)}{(s+2)(s+5))}$

   c) $G(s) = \dfrac{(s+5)(s+7)}{s^2(s+1)(s+4)}$

2) For given control system (For each of above a, b and c systems), apply step, ramp, parabolic inputs and observe the steady state error.