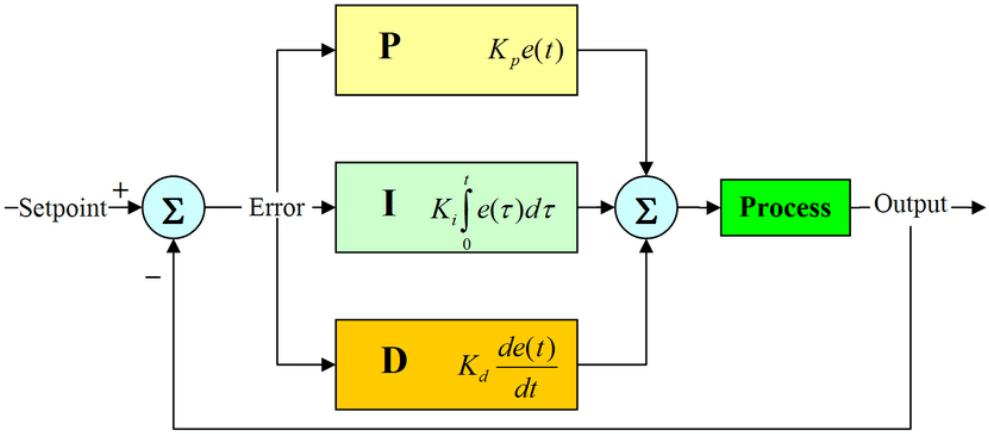
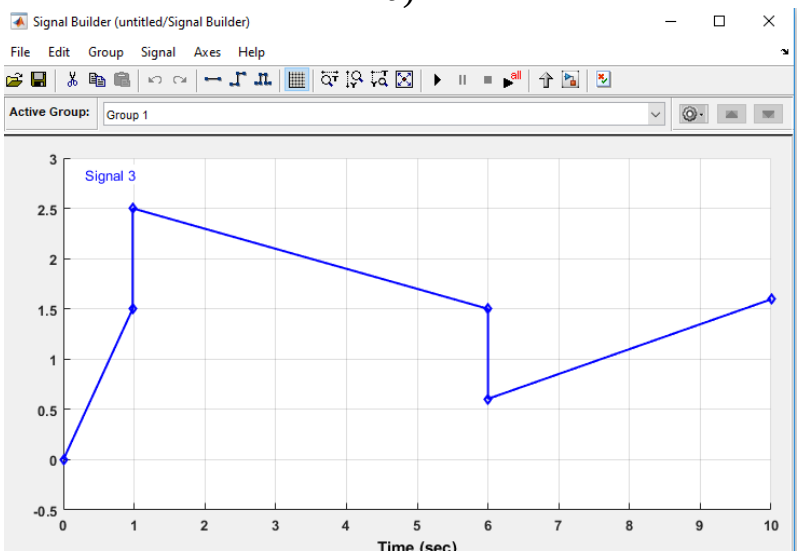
CONTROL LAB 3

1) Obtain the signal given in the figure via Simulink's 'Signal Builder' Block. Then use it as reference signal. For the transfer function $G(s) = \frac{1}{s^2+5s+10}$, Design P, PI and PID controller for this system (transfer function) and Set coefficients with trial and error. Observe the changes your control input and system output. Compare P, PI and PID controller performances.



a)



b)

Figure: PID block diagram (a) and a signal (b)