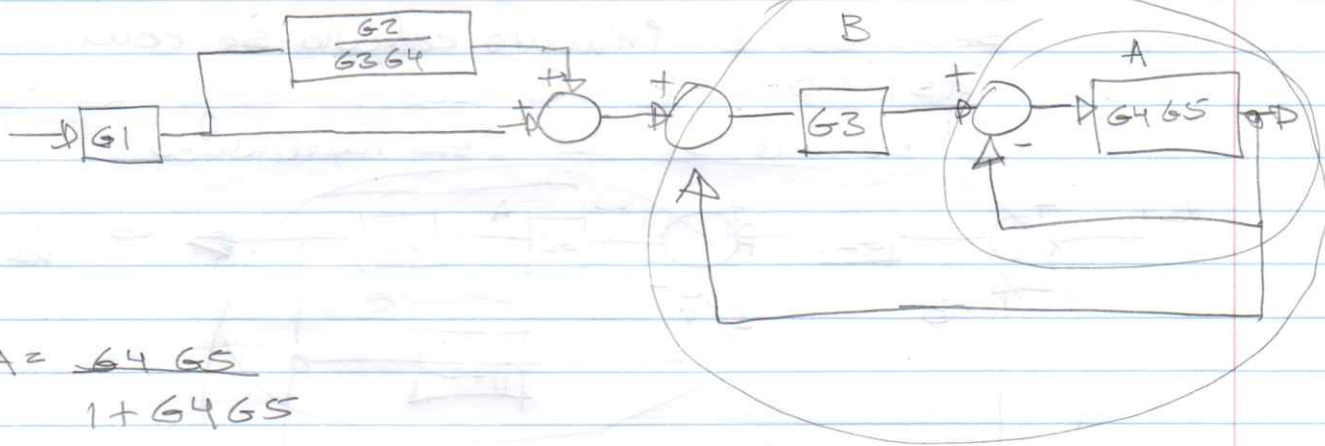
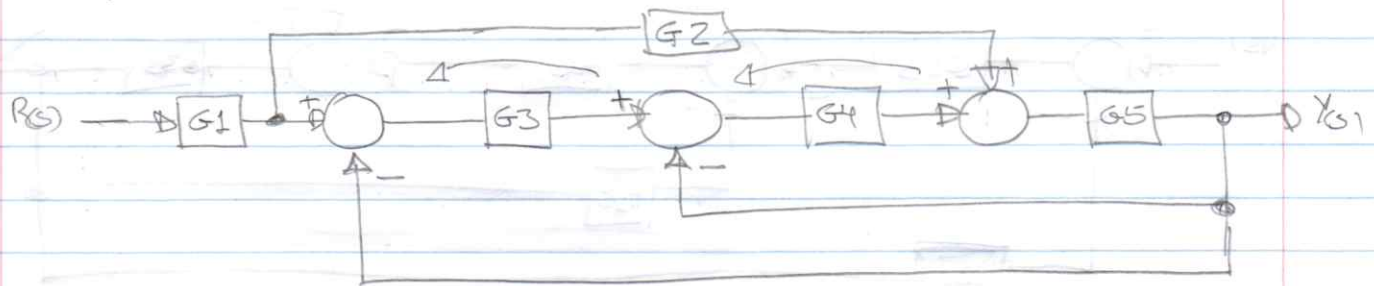


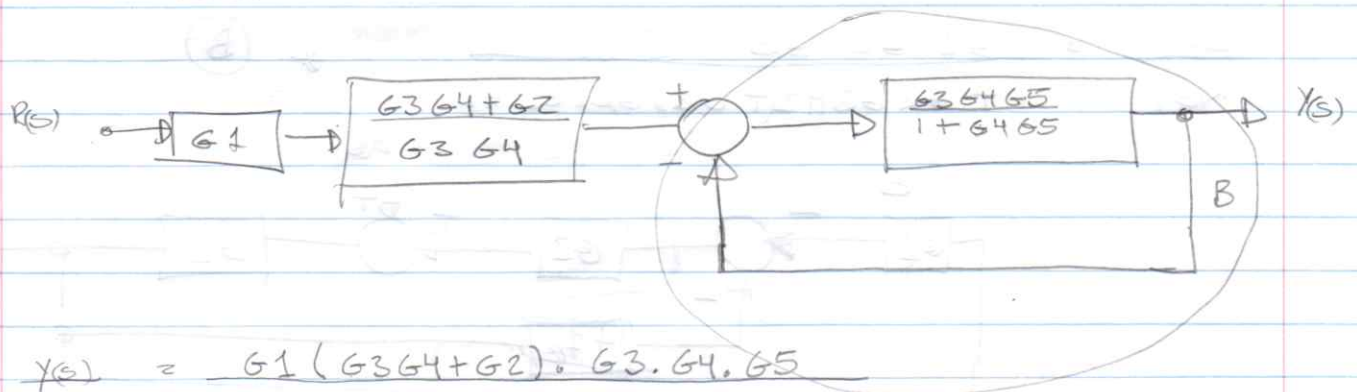
2 s)



$$A = \frac{G_4 G_5}{1 + G_4 G_5}$$

$$A' = \frac{G_3 G_4 G_5}{1 + G_4 G_5}$$

$$B = \frac{\frac{G_3 G_4 G_5}{1 + G_4 G_5}}{1 + \frac{G_3 G_4 G_5}{1 + G_4 G_5}} = \frac{G_3 G_4 G_5}{1 + G_4 G_5 + G_3 G_4 G_5}$$



$$\begin{aligned} \frac{Y(s)}{R(s)} &= \frac{G_1 (G_3 G_4 + G_2) \cdot G_3 \cdot G_4 \cdot G_5}{G_3 G_4 \cdot (1 + G_4 G_5 + G_3 G_4 G_5)} \\ &= \frac{G_1 (G_3 \cdot G_4 + G_2) \cdot G_5}{1 + G_4 G_5 + G_3 G_4 G_5} \end{aligned}$$