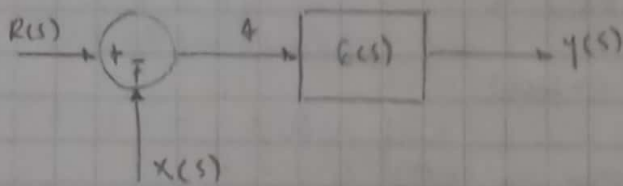


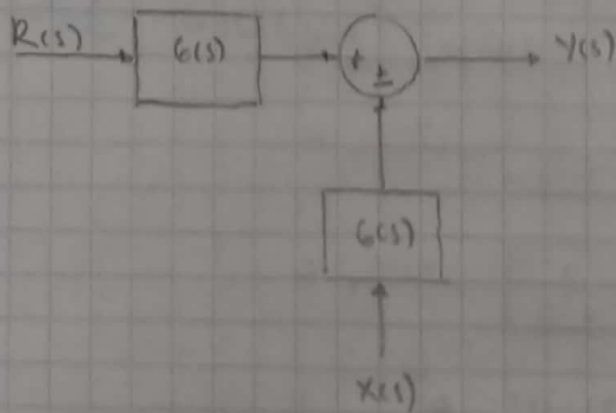
- Considerando los sistemas

a.

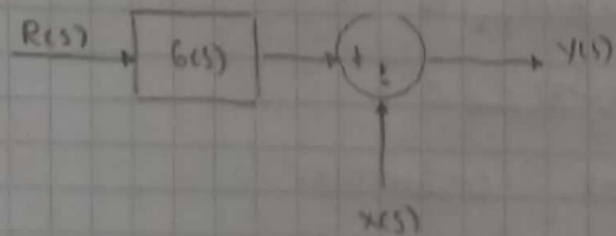


$$Y(s) = G(s) 4 \rightarrow Y(s) = G(s) (R(s) \pm X(s))$$

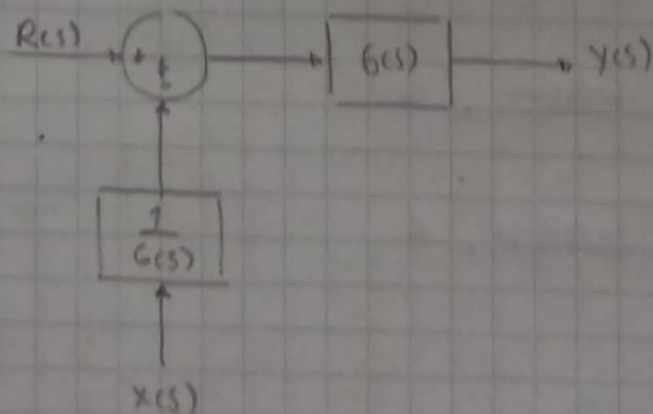
$$Y(s) = G(s) R(s) \mp G(s) X(s)$$

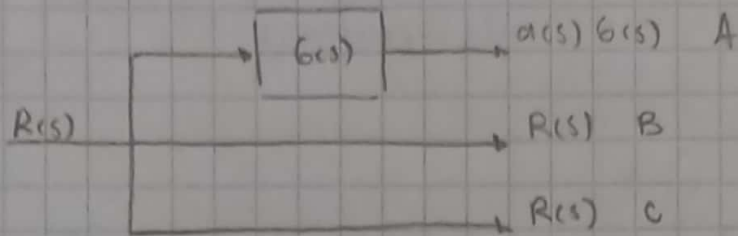


b.



$$Y(s) = G(s) R(s) \pm X(s) \rightarrow Y(s) = \left(R(s) \pm \frac{Y(s)}{G(s)} \right) G(s)$$





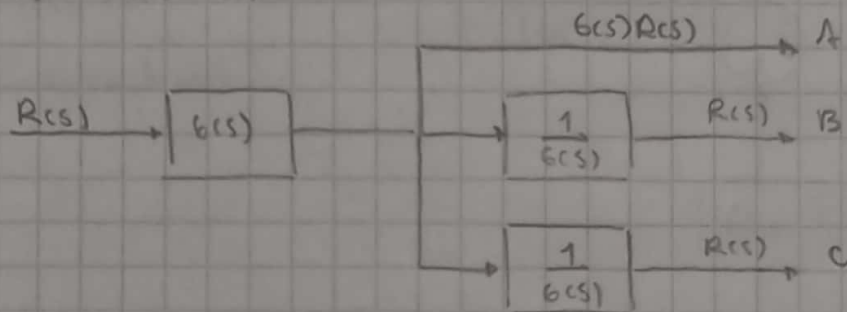
$$A = G(s)R(s) ; B = R(s) ; C = R(s)$$

Multiplicando la entrada del sistema por $G(s)$

$$B \cdot G(s) = G(s) \cdot R(s) \left(\frac{1}{G(s)} \right)$$

$$C \cdot G(s) = G(s) \cdot R(s) \left(\frac{1}{G(s)} \right)$$

$$A = G(s)R(s)$$



d.



$$A = G(s)R(s) ; B = G(s)R(s) ; C = G(s)R(s)$$

Considerando cada salida de forma independiente

