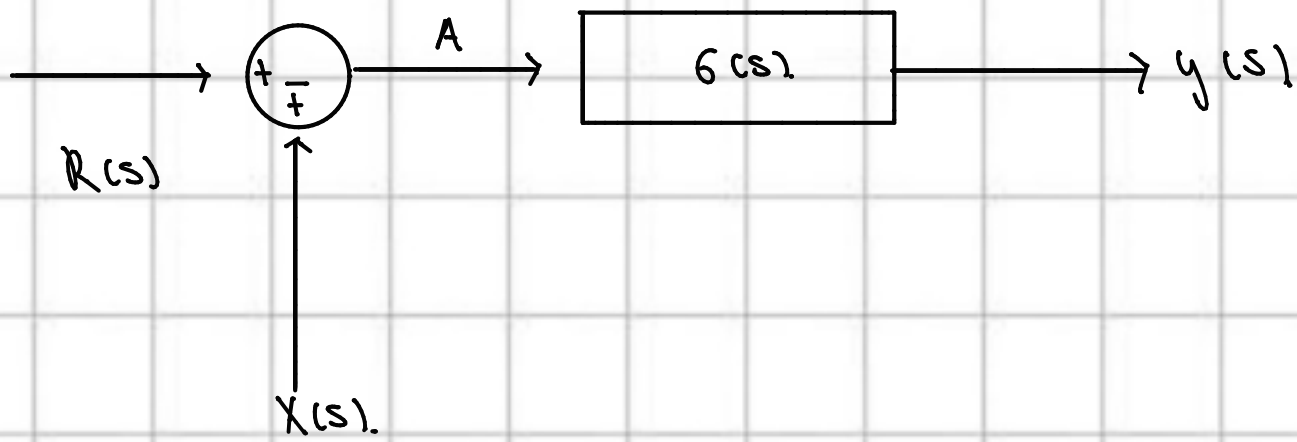


• TAREA #8 FABIAN LEONARDO CAMARGO BERNATE.

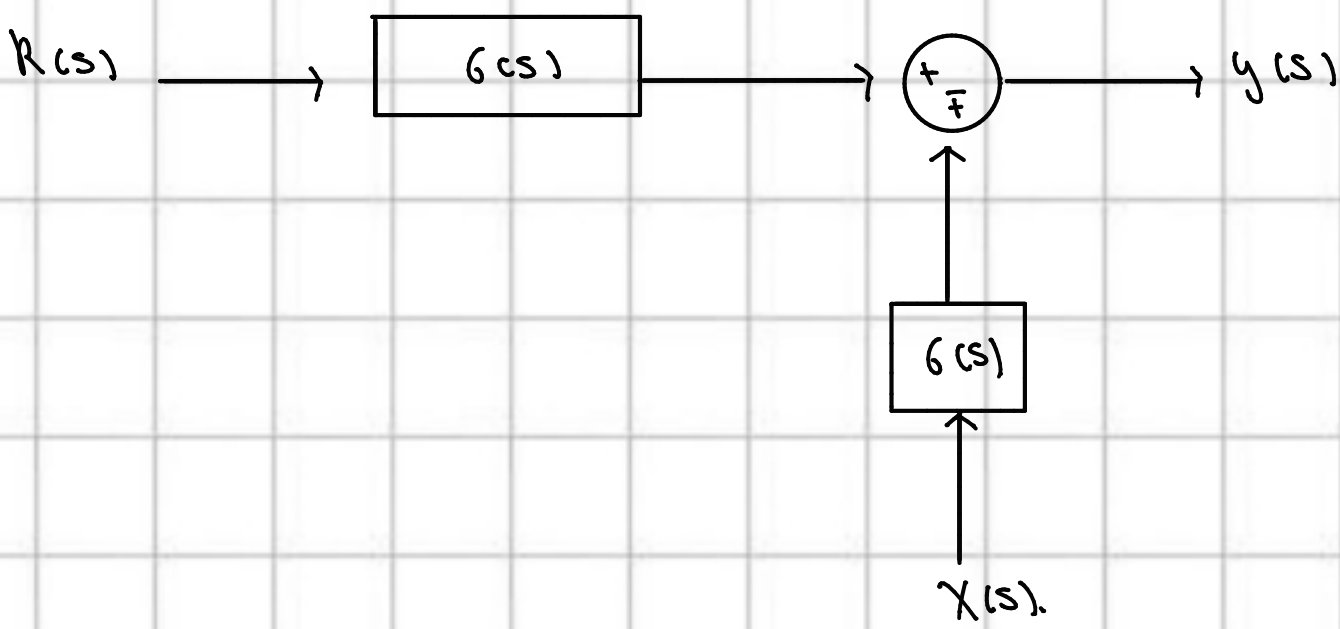
• Considere los siguientes sistemas.

a)

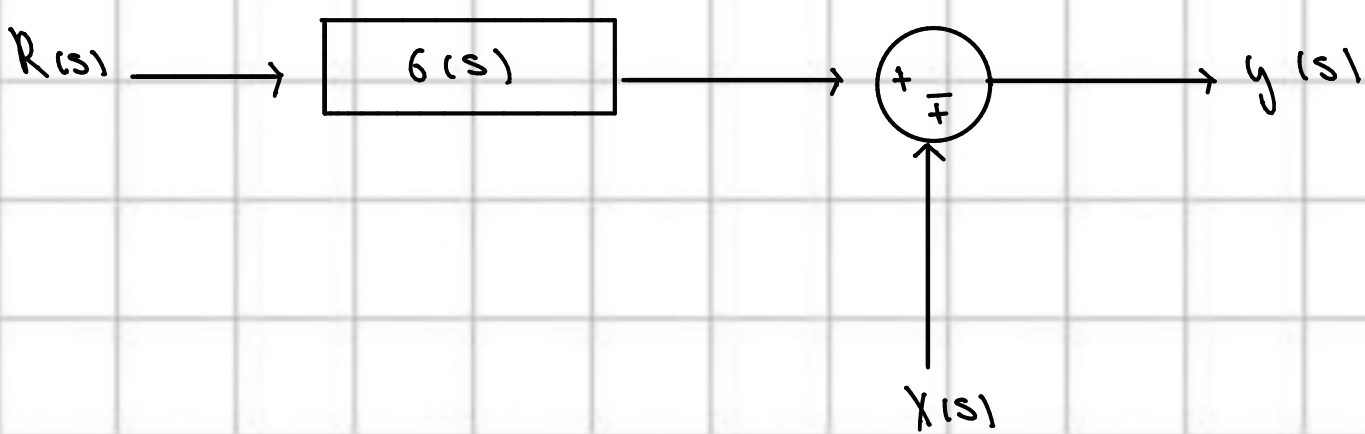


$y(s) = A \cdot G(s) \longrightarrow (R(s) \mp X(s)) \cdot G(s)$

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

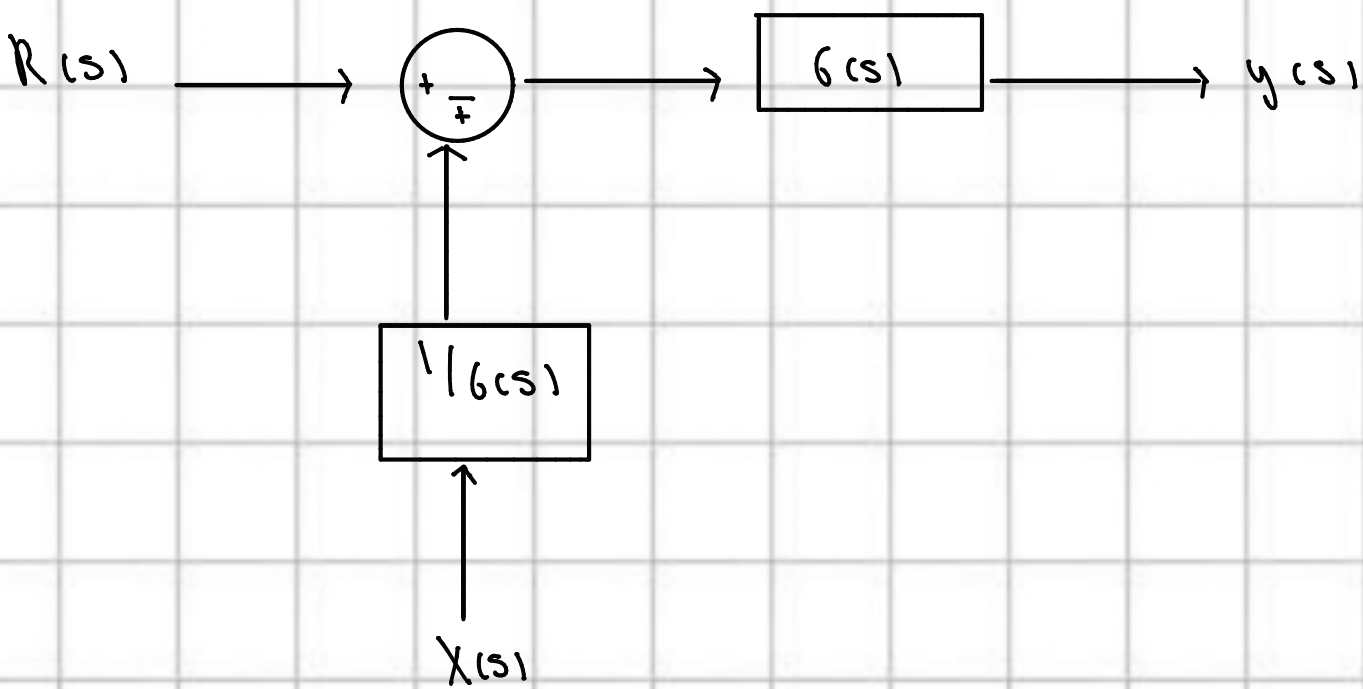


b)

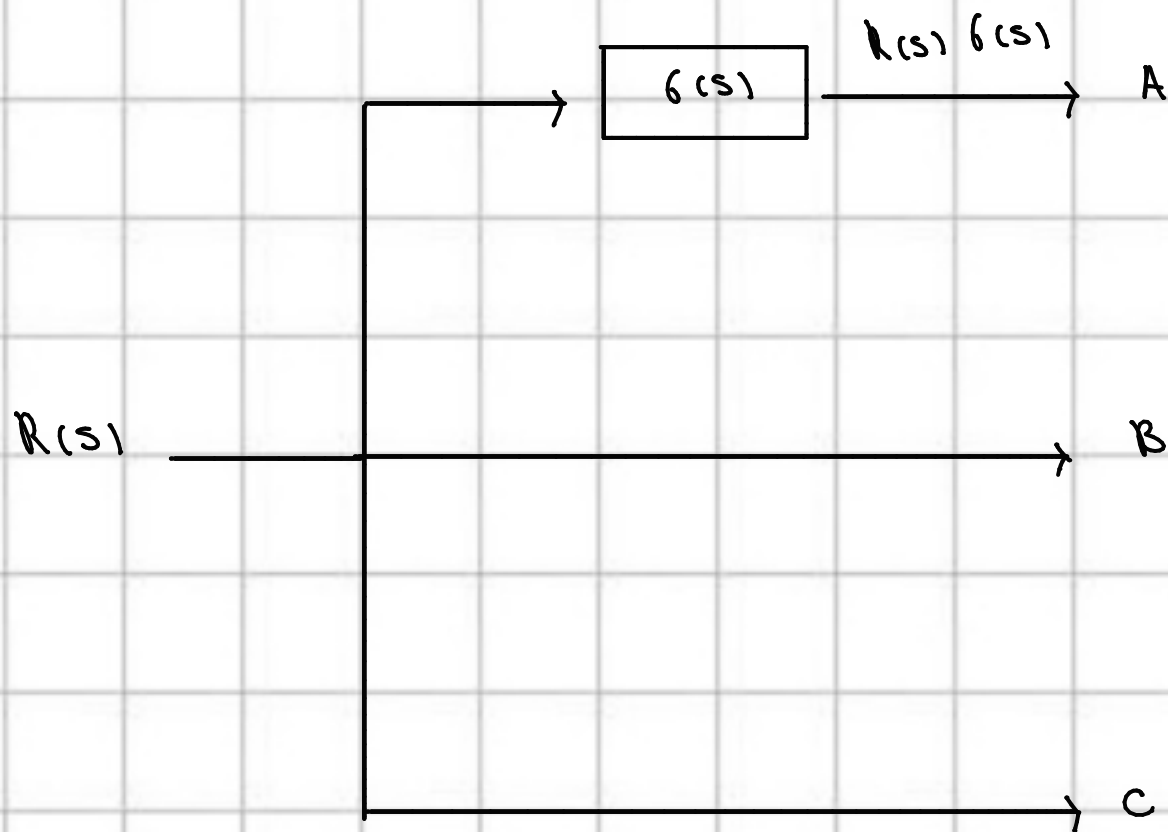


$y(s) = R(s) G(s) \mp X(s)$

$y(s) = \left( R(s) \mp \frac{X(s)}{G(s)} \right) G(s)$  Solución



c)



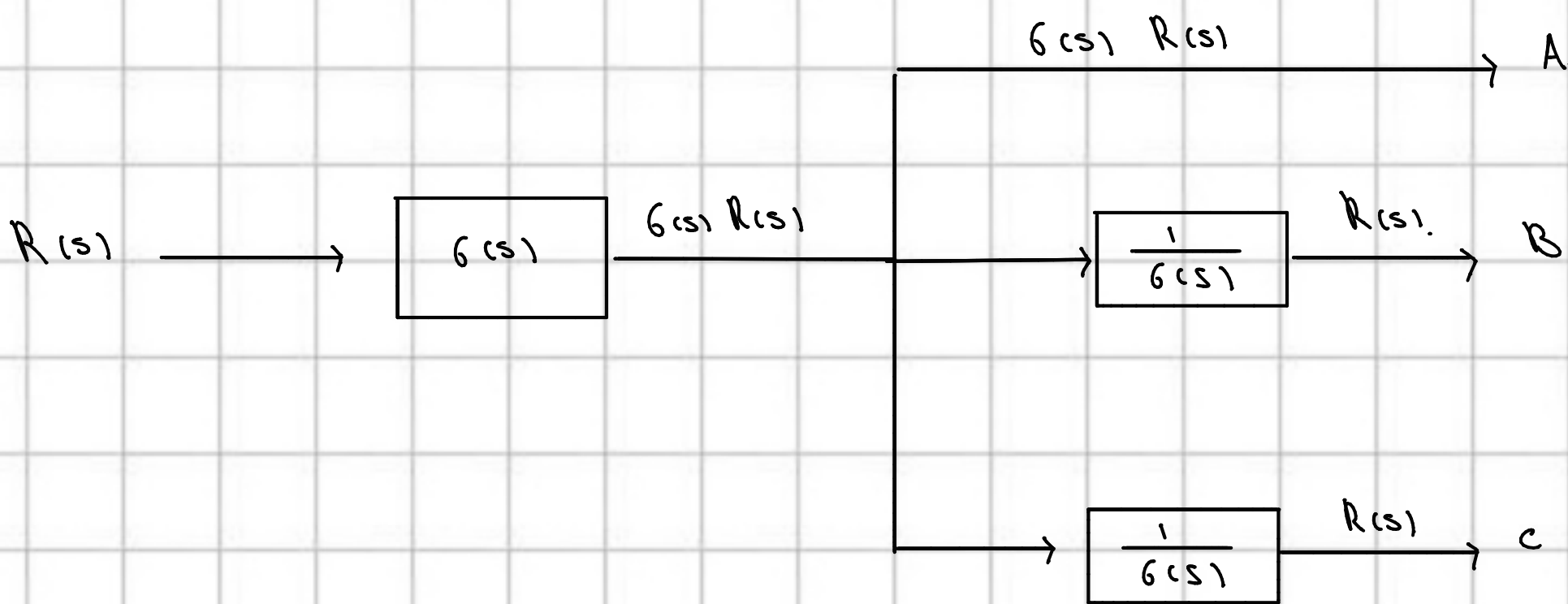
$A = G(s) R(s), B = R(s), C = R(s)$

• Si a la entrada se multiplica al sistema por G(s)

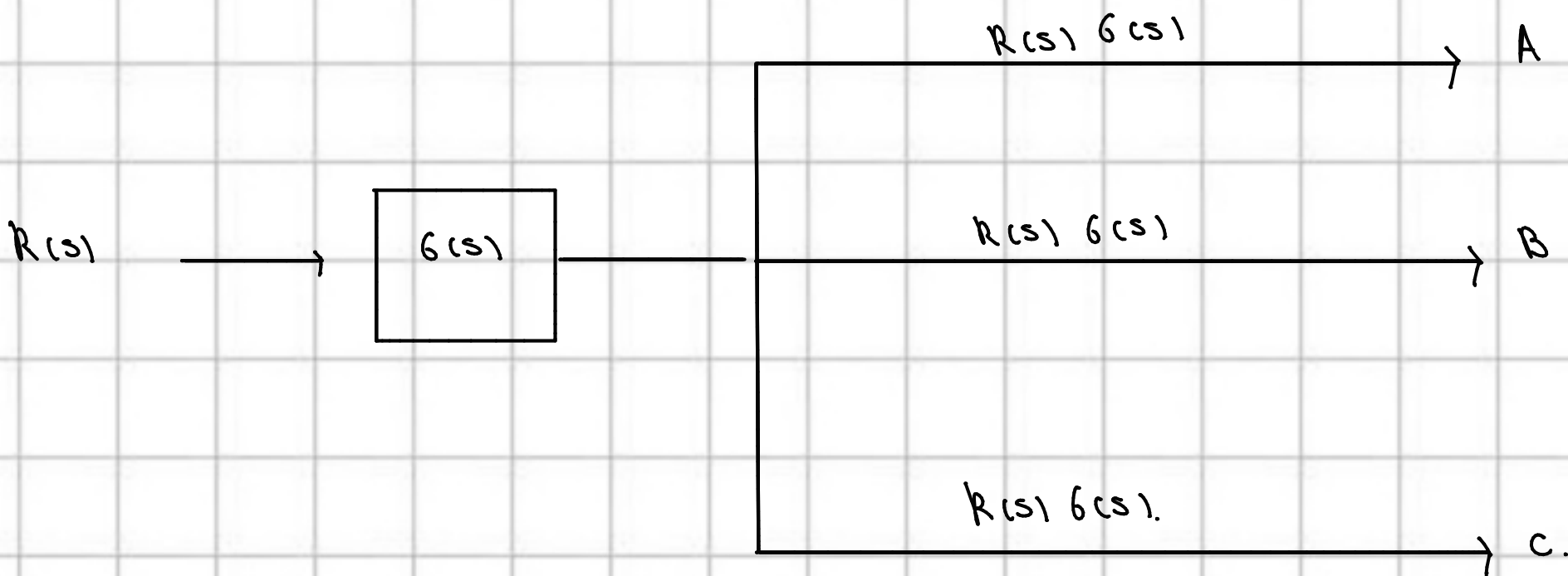
$B \cdot G(s) = G(s) \cdot R(s) \cdot \left( \frac{1}{G(s)} \right)$

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

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



d)



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

• Solución.

