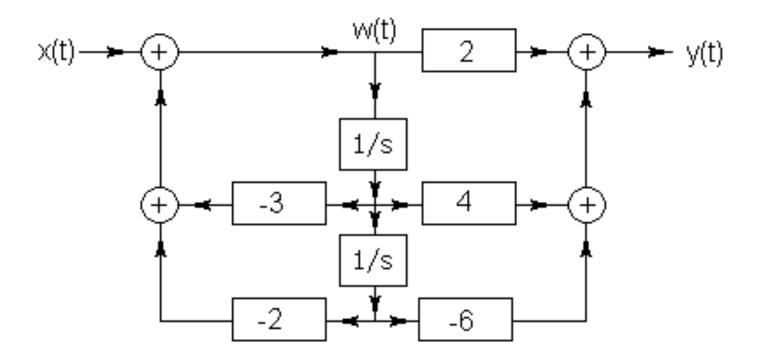
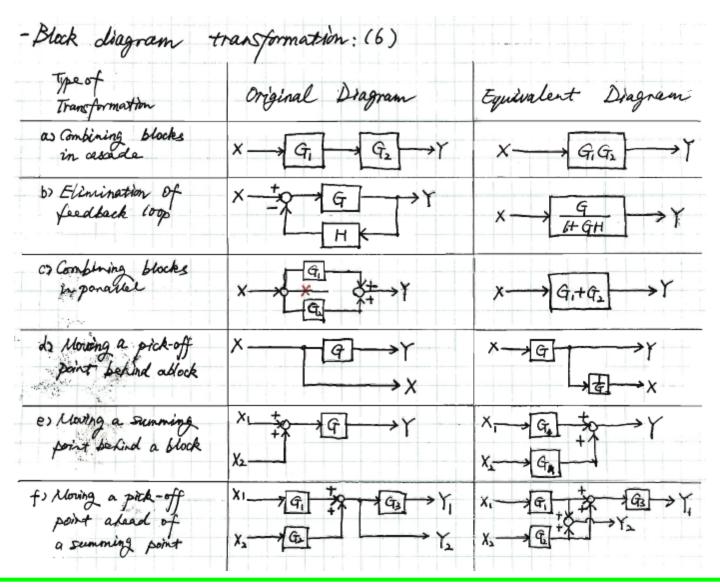
## Example (2)

$$Y(s) = 2W(s) + 4s^{-1}W(s) - 6s^{-2}W(s)$$
$$W(s) = -3s^{-1}W(s) - 2s^{-2}W(s) + X(s)$$



## **Block Diagram Transformation**



## Example: A Disturbance Observer

