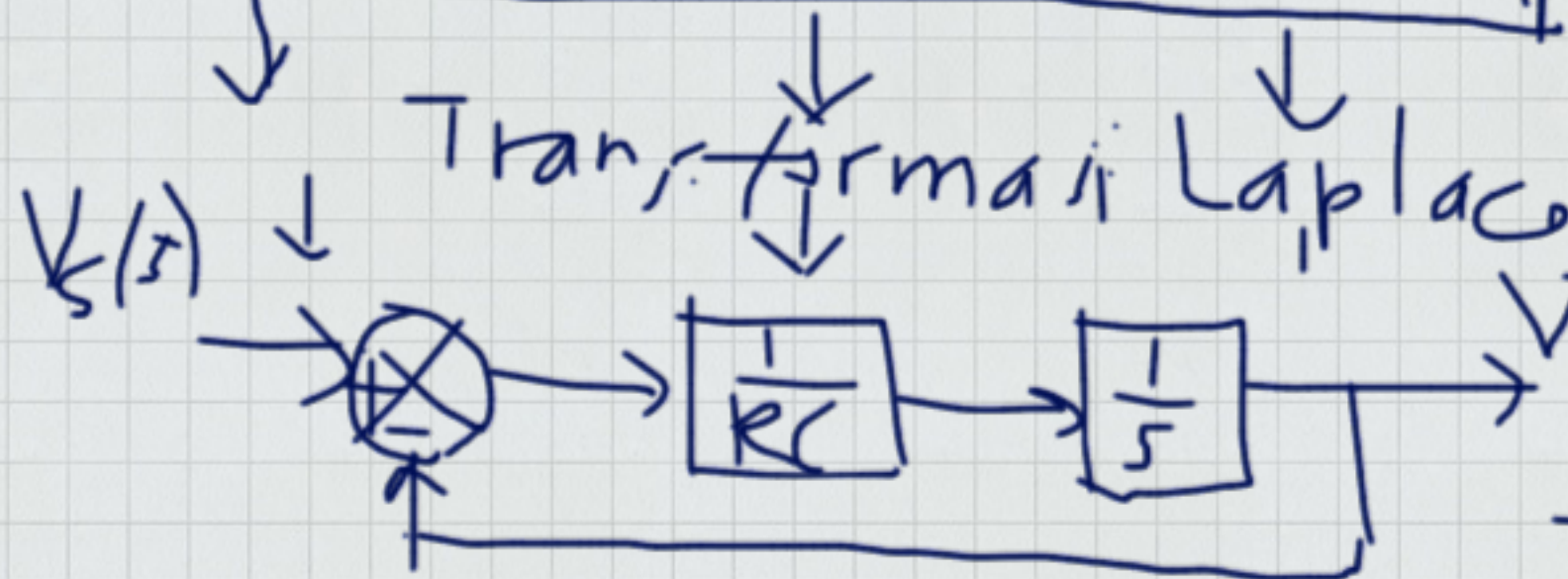
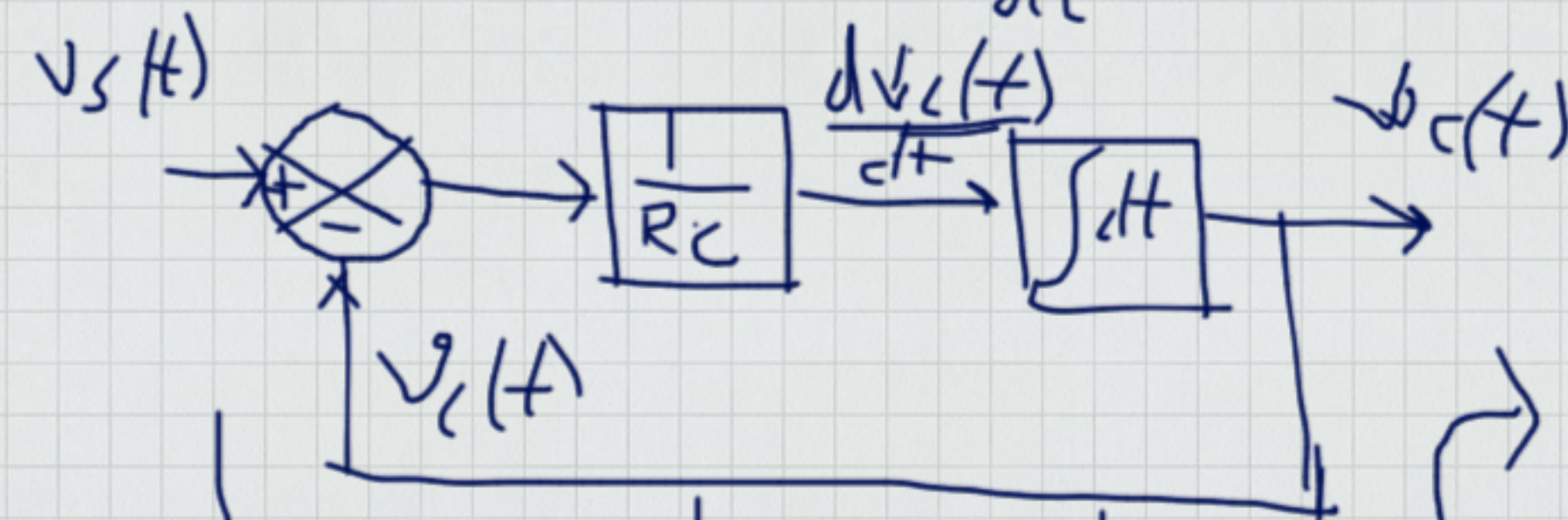


Jawab: * Hukum Ohm.

$$\left. \begin{aligned} i(t) &= \frac{V_s(t) - V_c(t)}{R} \\ i(t) &= C \frac{dV_c(t)}{dt} \end{aligned} \right\}$$

$$\frac{dV_c(t)}{dt} = \frac{V_s(t) - V_c(t)}{RC}$$



$$V_c(s) = \frac{1}{s} \left[\frac{1}{RC} \left(\frac{V_s(s)}{s} - V_c(s) \right) \right]$$

$$V_c(s) = \frac{1}{RCs} [V_s(s) - V_c(s)]$$