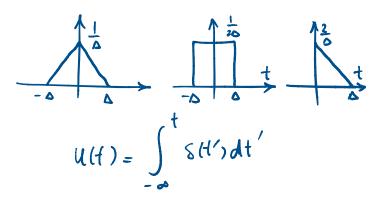
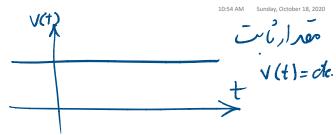
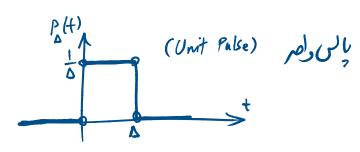


S(t) (Unit Impulse) not one of the solution
$$t = 0$$

S(t) =
$$\begin{cases}
0 & t \neq 0 \\
0 & \text{solve} \quad t = 0
\end{cases}$$
S(t) $dt' = 1$
S(t) $dt' = 1$
S(t) = dt W(t)

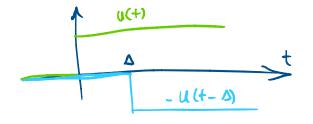


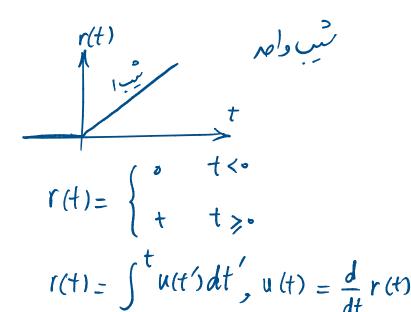




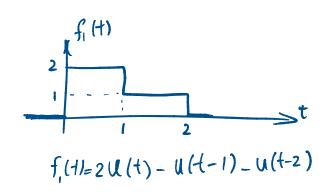
$$P_{\Delta}(t) = \begin{cases} 0 & \text{t<0,t>} \Delta \\ \frac{1}{\Delta} & \text{o$$

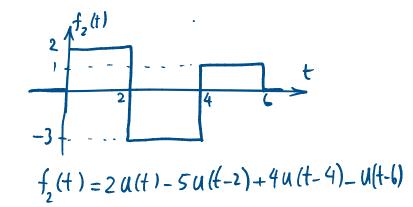
$$P_{\Delta}(t) = \frac{U(t) - U(t-\Delta)}{\Delta}$$

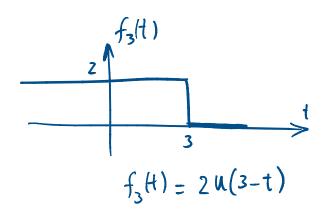


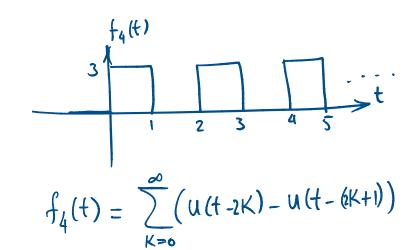


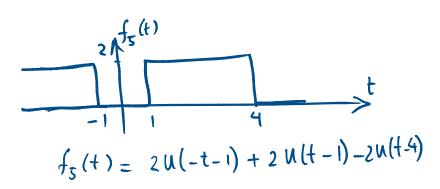
$$I(t) = \int_{-\infty}^{\infty} u(t') dt, \quad u(t) = \frac{o}{dt} r(t)$$

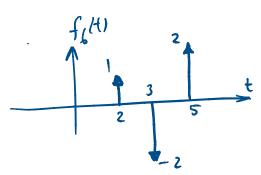




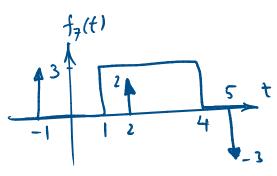




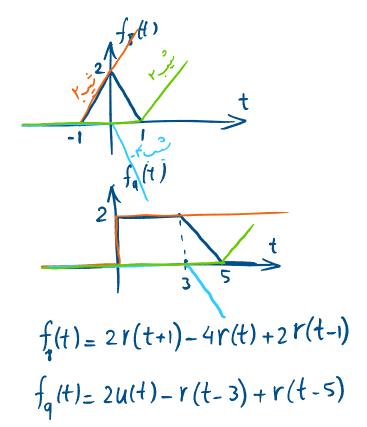




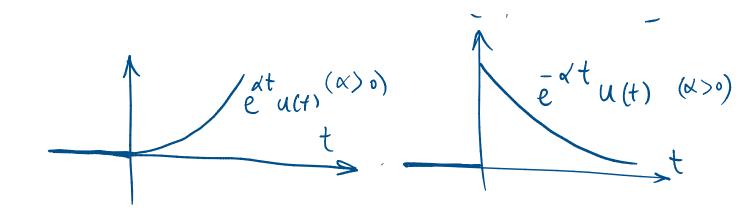
$$f_6(t) = 5(t-2)-25(t-3)+25(t-5)$$



$$f_{7}(t) = 3u(t-1) - 3u(t-4) + 8(t+1) + 28(t-2) -38(t-5)$$



$$f(t) = A C_1 s (\omega t + \phi) (\omega t) \qquad (Exponential) \qquad (C')$$



$$f(t) = 2 u(t) - 3t u(t-1) + 48(t-2) + 2r(t-1)$$

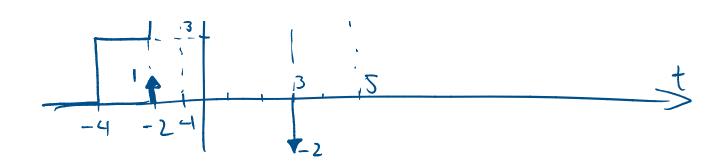
$$r(t) = t u(t)$$

$$r(t-1) = (t-1) u(t-1)$$

$$t = t u(t-1)$$

$$f_{11}(t) = 3U(t+4) - r(t-3) + 8(t+2) + r(t+1)$$

$$-28(t-3) + 2U(t+2) - 3U(t-5)$$



$$f(t) = 3U(t-1) - 2S(t-2) + 4V(t-3)$$

$$f(t) = 3U(t-1) - 2S(t-2) + 4V(t-3)$$

$$f(t) = 3f(t-1) - 2df(t-2) + 4\int_{a}^{b} f(t-3)dt'$$

$$V_0 = {2 \choose 2} S(+) + {4 \choose 7} U(+)$$

$$V_{01} = \frac{2}{2+1} \frac{3}{5} \frac{5}{(t)}$$

$$= \frac{2}{2+1} \frac{3}{5} \frac{5}{(t)}$$

$$= \frac{2}{2} \frac{3}{5} \frac{5}{(t)}$$

$$= \frac{4}{3} \frac{3}{5} \frac{5}{(t)}$$

$$= \frac{4}{3} \frac{3}{5} \frac{5}{(t)}$$

$$V_0 = {}^{\vee}_2 S(t) + {}^{4}_{3} U(t)$$