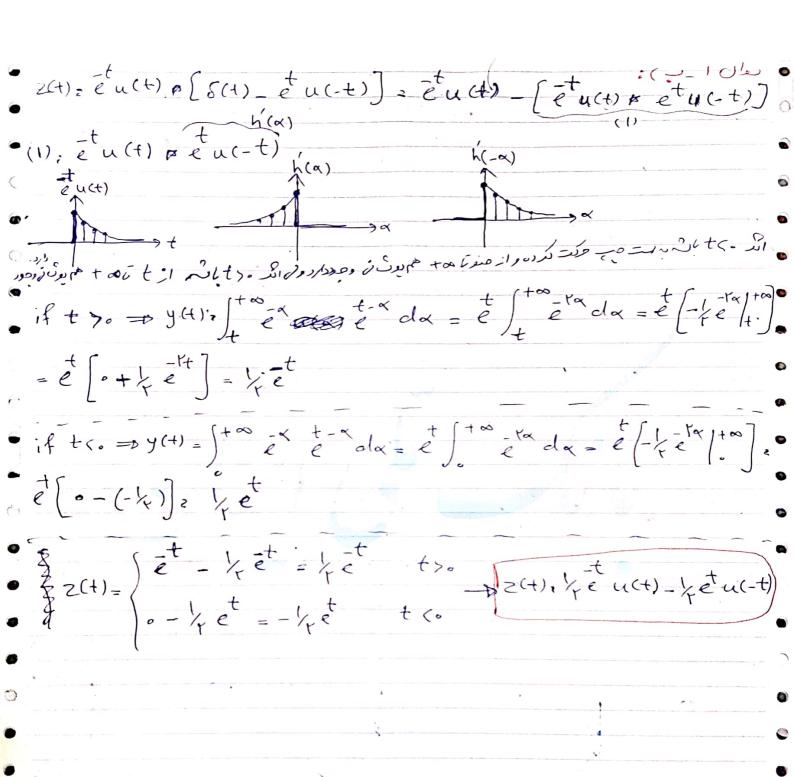
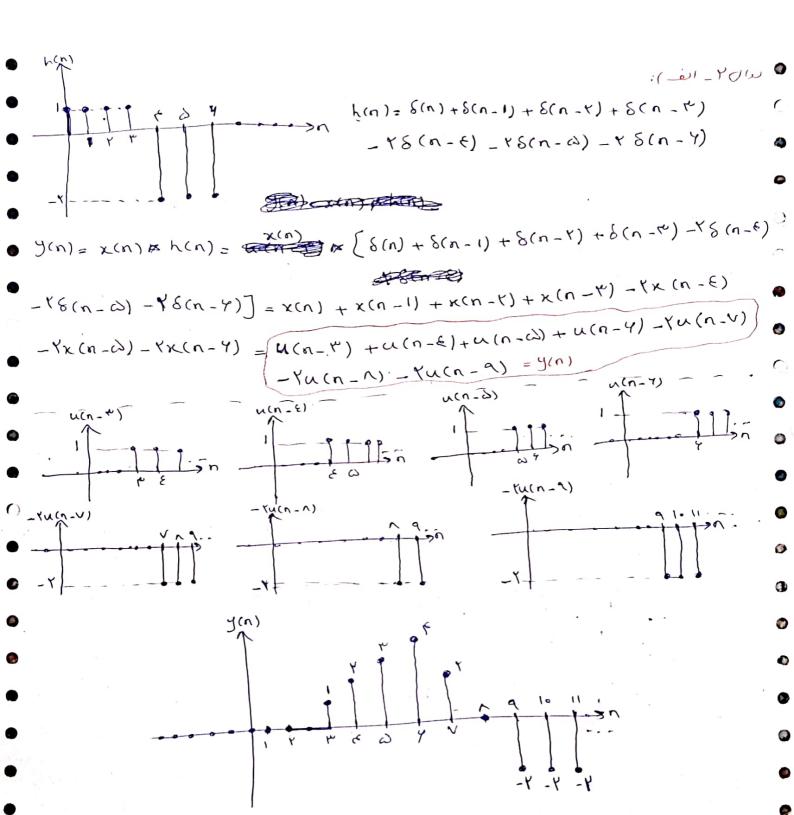
w(t):x(t) ph(t) = t (8(t) = (8(t) - (t)) = :(i) - 1012 · eu(+) - [eu(+) & eu(+)] = الرد ع در الساء من عرد الرد وهم يون نفوا هنداست من عرد الرد وهم يون نفوا هنداست من عرد الرد وهم يون نفوا هنداست الر عدم ارتفظ معرم علم مرك م ومورد/د و به ومادل است ١: · y(t)= ft = (x) - Y(t-x) u(t-x) dx = ft = - Yt tx ex cice) u(t-x) dx  $=\int_{0}^{t} -t + \frac{1}{2} dx = e^{-t} \int_{0}^{t} e^{t} dx = e^{-t} \left[ e^{-t} - \frac{1}{2} - \frac{1}{2} e^{-t} - \frac{1}{2} e^{-t} \right] = e^{-t} \left[ e^{-t} - \frac{1}{2} - \frac{1}{2} e^{-t} - \frac{1}{2} e^{-t} \right] = e^{-t} \left[ e^{-t} - \frac{1}{2} e^{-t} - \frac{1}{2} e^{-t} - \frac{1}{2} e^{-t} - \frac{1}{2} e^{-t} \right] = e^{-t} \left[ e^{-t} - \frac{1}{2} e^{-t} - \frac{1}{2} e^{-t} - \frac{1}{2} e^{-t} - \frac{1}{2} e^{-t} \right] = e^{-t} \left[ e^{-t} - \frac{1}{2} e^{-t} - \frac{1}{2}$ علام سانسدد علام (t) و علام و است و در مرح و مصن عرب و است و در ما و است و در دراع فرد دراع  $y(t) = \begin{cases} e^{t} - e^{tt} \\ t \end{cases}$   $= b y(t) = (e^{t} - e^{tt}) u(t) = e u(t) - e u(t)$ 161000 [w(t) = e u(t) - [e u(t) - e u(t)] = e u(t)

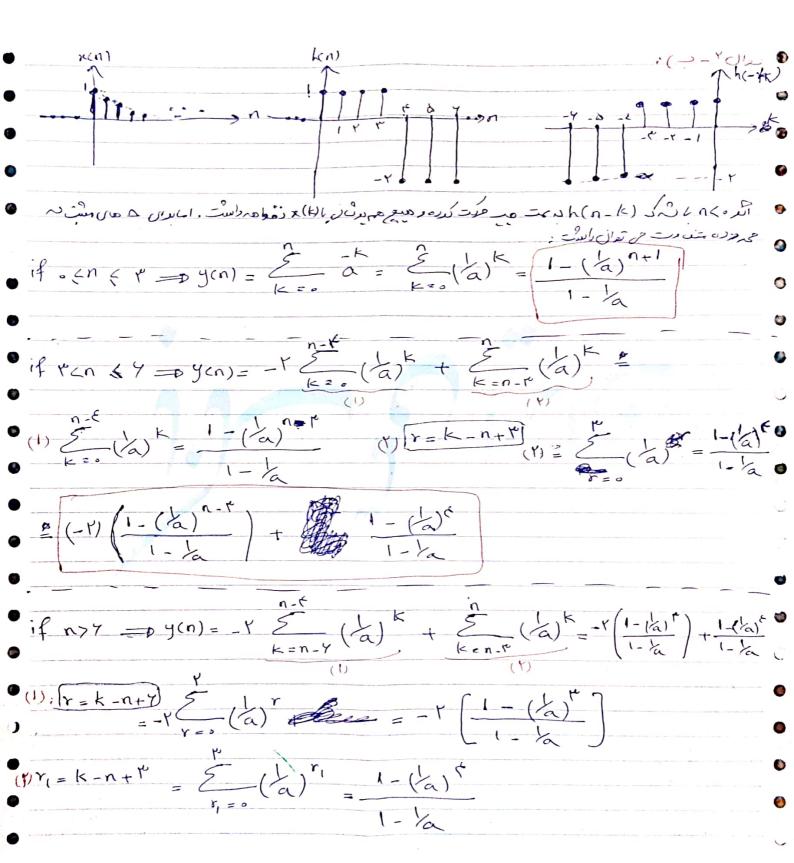


h(+) = h,(+) = hy (+) = (S(+) = e u(+)) = (S(+) = e u(-t)) = (2-10) if t (0 => y(t) = \int if t> = y(+) = ft = tx t-x dx = et [-/x = /+ ] = et [0+/x et] & if the -e = - /ret if the -tt p-tt =ph(+)= (S(t) - /2 et u(-t) - /2 et u(+) y,(+)= w(+) = hr(+) = = = (+) = (8(+) = e u(-t)) = = rt u(t) - [ = rt u(t) peu (-t)] = rt u(t) - / e u(-t) - / e u(t) 

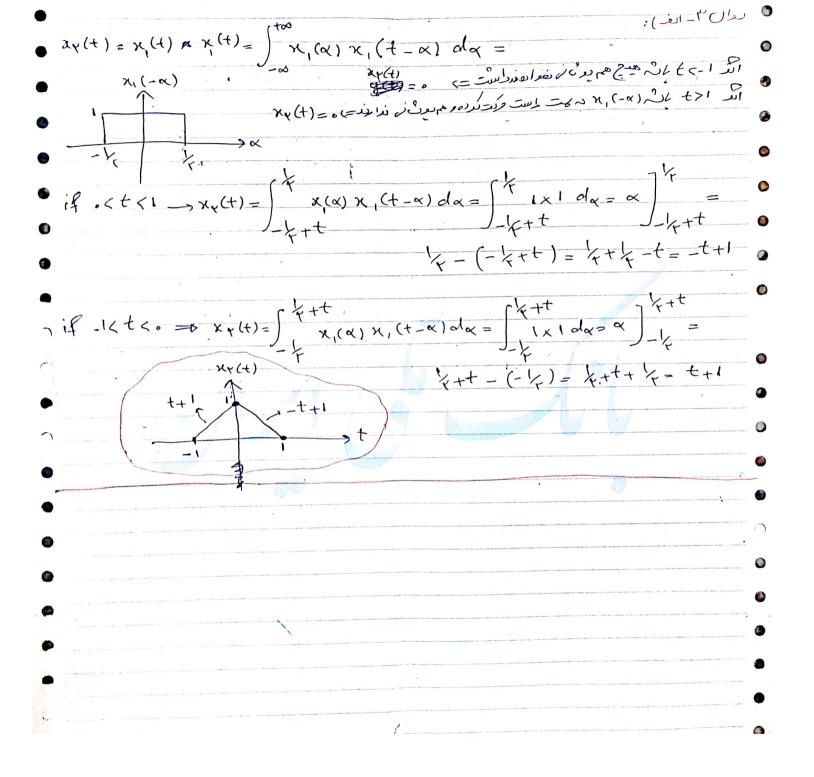
Jy(t) = Z(t) = h,(t) = [ / eu(t) - / e u(-t)] = [s(t) - e u(t)] = ( / eucht & s(+)) - ( / eucht) = ( / eucht) = ( / eucht) = ( / eucht) = s(+)) · + ( } e u (-t) pe (+)) = | = t u(+) - e u(+) ) = | e u(+) - | e u(+) - | e u(+) | (٢) = رومتيت ج ما سه ٥ و درار مل د سراسر است ١٠ {[ }etu(-t) + }eu(t)] > }etu(-t) + ¿etu(+) = y, (+)= / e u(+) - / e u(+) = [/ e u(+)] • + /y eu(-+) + /y e u(+) = // e u(+) - /p e u(-+) · 9+(+), é u(+) p [8(+) - 1/2 é u(-+) - 1/2 é u(+)] ? • eu(+) - (\*/ etu(+) petu(-+)) - ( \*/ etu(+) = etu(+)) = > { ( \ t \ u(t) + \ t \ e u(-t) ] = \ \ e u(t) + \ r \ e u(-t) > / [ e u(+) - e u(+)] > / e u(+) - 1/2 e u(+) • 9+(+) = eu(+) - 4 eu(+) - 4 eu(-+) - 4 eu(+) + 1/4 et u(+) = ( x e u (+) - / e u (-+))

ناق مان الله على ال





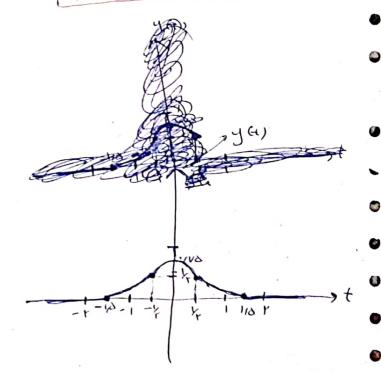
: ( -, T ) le =1)1 1-/a
1-/a
+ 1-(/a) \* \* (n < 7)
1-/a  $-r\left(\frac{1-(a)^{r}}{1-(a)^{r}}\right)+\frac{1-(a)^{r}}{1-(a)^{r}}$ 



xp(+) = xp(+) p x,(+) = 2 xp(a) x, (+-x) dq  $i\hat{s} - \hat{r} < t < \hat{r} = p y(1) = \int_{-1}^{1} \frac{1}{x(-\alpha+1)} d\alpha + \int_{-1}^{1} \frac{1}{x(\alpha+1)} d\alpha = 0$ =-(++++を)+・ト++=-ギャート+++=-ギャル  $\bullet (Y) := \int (x+1) dx = \int (x+1) dx = \int (x+1) dx = \frac{x+1}{1} - \frac{x+1}{1} = \frac{x+1}{1} - \frac{x+1}{1} = \frac{x+$ = (4) = - + + + - + + + = - + + + +

$$\frac{1}{1} \int_{-\infty}^{\infty} \frac{1}{1} \int_$$

$$= \frac{(t+\sqrt{t})^{t}}{t} + \frac{(t+\sqrt{t})^{t}}{t} - \frac{(t+\sqrt{t})^{t}}{t} - \frac{(t+\sqrt{t})^{t}}{t} + \frac{t+\sqrt{t}}{t} + \frac{t+\sqrt{t$$



٠ ( س ٢ - س ) :

$$h(t) = - - - + \delta(t + \epsilon T) + \delta$$

