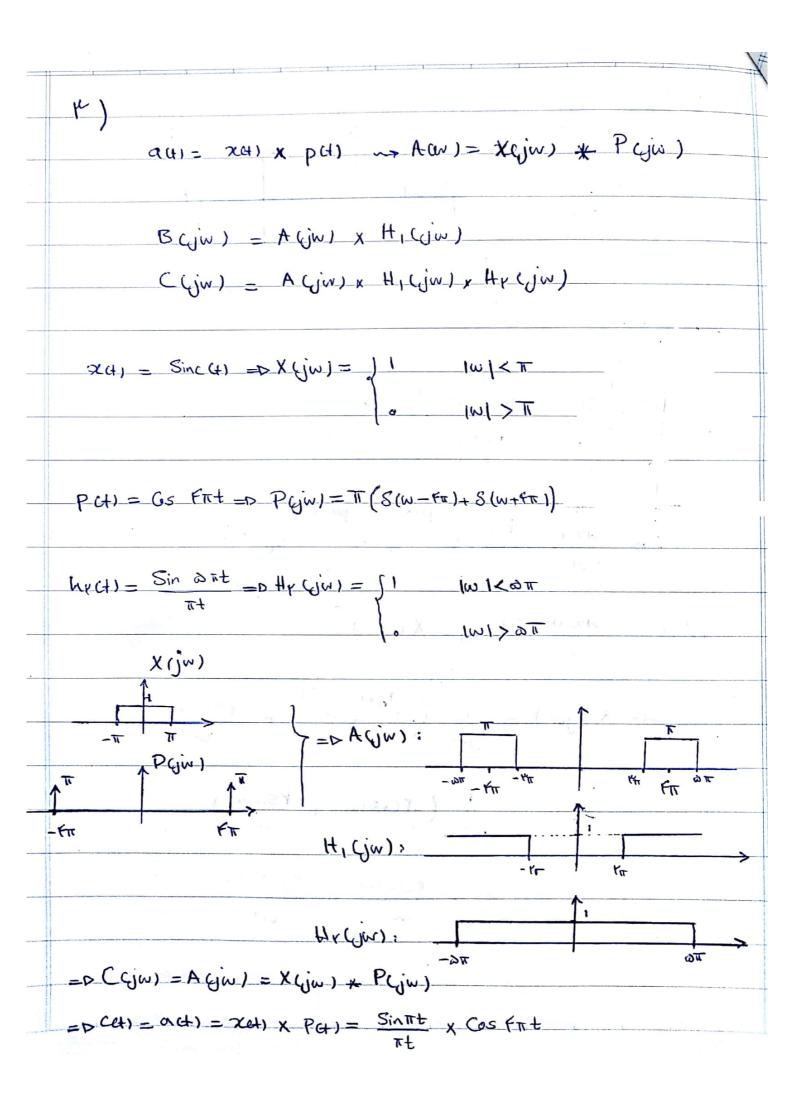
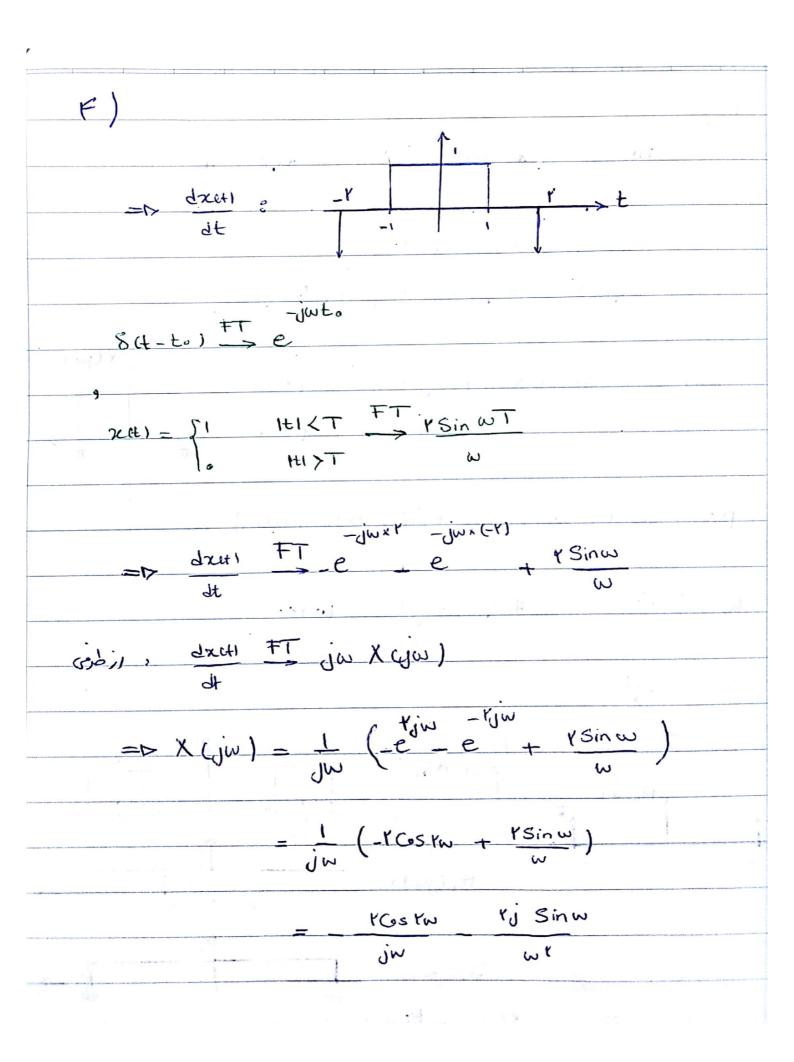
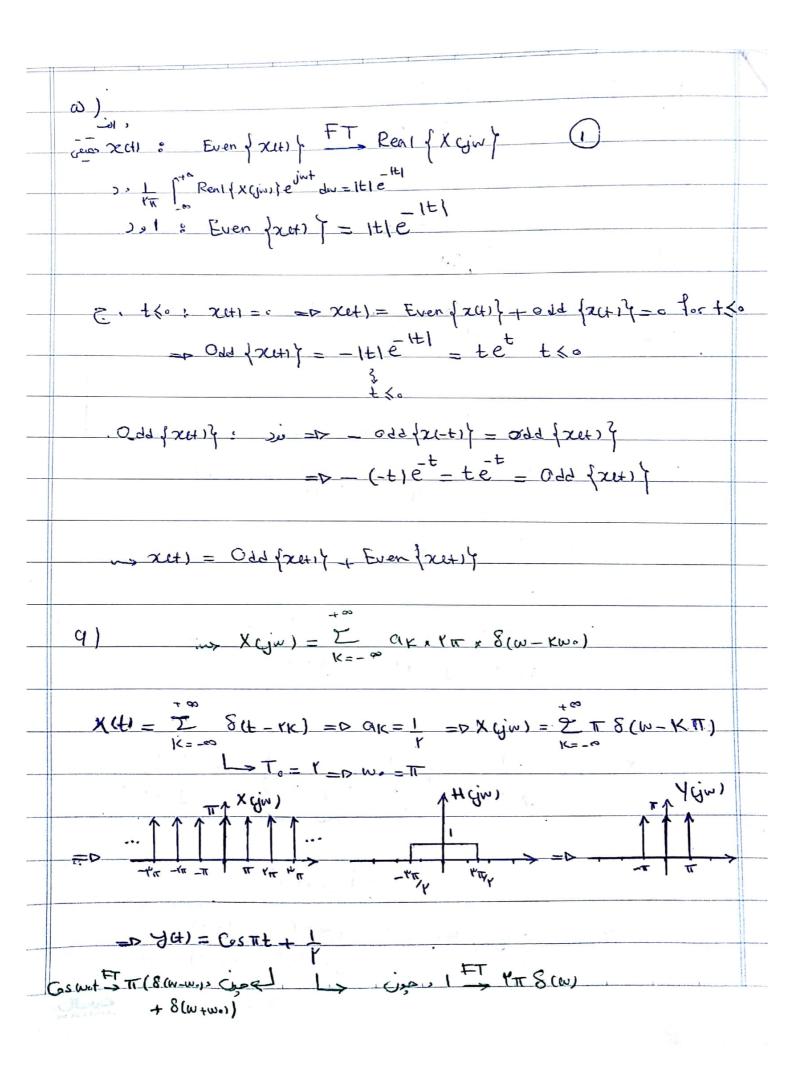


$$Y-b) \times (jw) = \begin{cases} e^{-w} & \omega x_{0} \\ -e^{w} & \omega x_{0} \end{cases}$$

$$\Rightarrow x(t) = \frac{1}{17\pi} \left[ x(jw)e^{-d\omega} = \frac{1}{17\pi} \left[ e^{-w} & \omega t + e^{$$



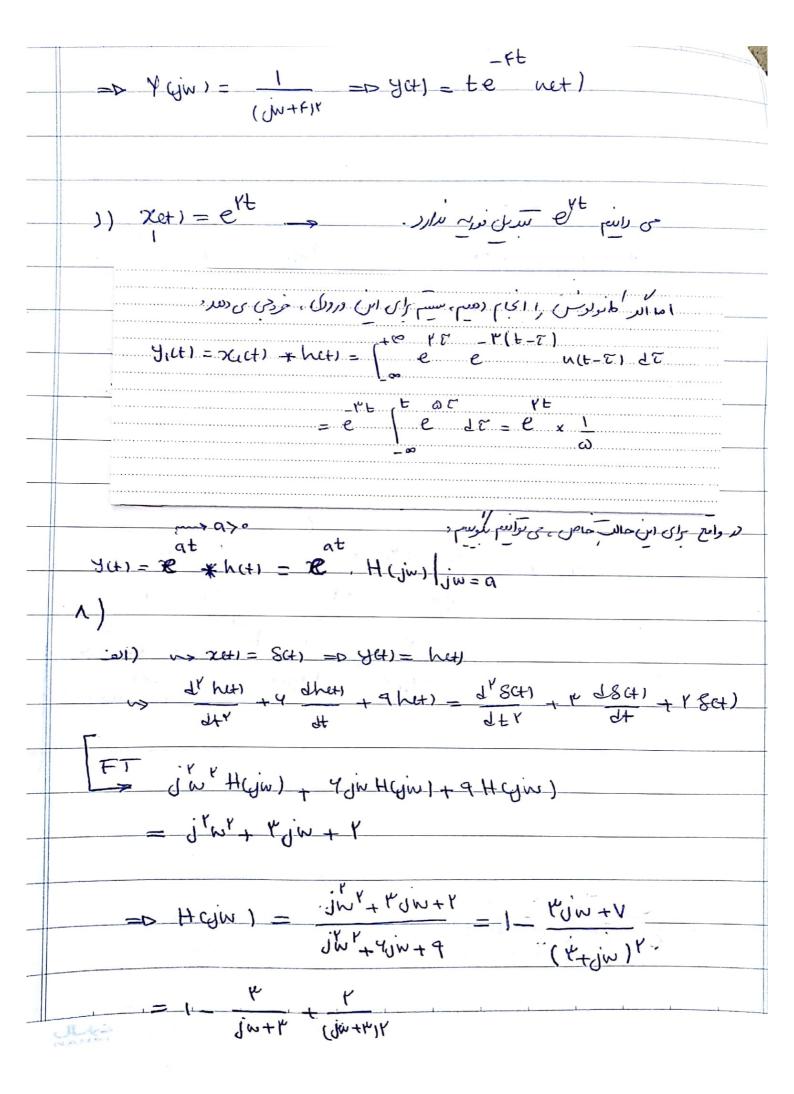




V) H (giv) = 10+1 4- WY+2010 (الف Y H (yin) - w' H (yin) + wyin H (yin) = yin+ Y

+ in'

+ i 4 y dt = hu), x (t) = 8(t) ()) in low -. -) has = F of H(gin)  $H(jw) = \frac{jw+r}{(jw+r)(jw+r)} = \frac{1}{jw+r} = \frac{r+1}{r} = \frac{r+1}{r}$ E) X (yin) = 1 - j d ( jw+ x ) = 1 - j d (jw+ x) x = Y(jw) = X (jw) H (jw) = jw+ 1 x jw+ 1 (jw+ x jw+ x)



hut) = Su) - re net) + rte net) ما عوص درون مای می و ل در معلاله ی سسم، در واقع معلاله ی 2/44) + K 9/41 + KA(H) = 9/41 + 4 JEH) + 4 JEH) F 200 (Sauce of the set) = S(+) = S(+) = S(+) (Sauce of the set of راه دوم راه دوم راه دوم مورد ما رو صوله کی مستم معدوس می دانسم له: h(+) \* g(+) = S(+) => H(jw) x G(jw) = 1 => Ggin) = 1 Hain) G(yin) = in + 40in+9 = 1+ 40in+V in + 40in+4 = 1+ (1+in)(1+in) = 1+ F -1 F S(t) + Fe (nt)

- 1+ jin + 1+ jin - 1+ e (nt)

- vt

- vt

- vt

- vt