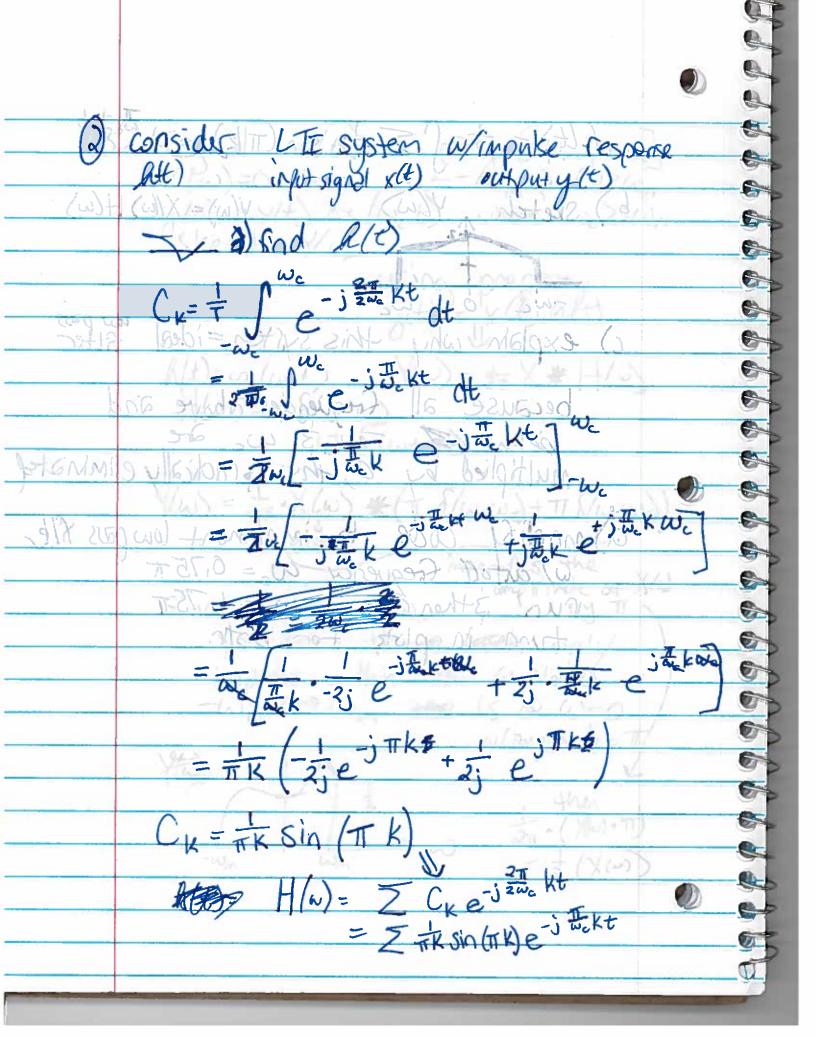
Jessica 2507 (1) a) sketch representation of plt) plt)= = S(t-KT) b) find to une series representation or p(t)

CK = = f f x(t) e = 1 = TKt dt has integral= 1 c) let a function x(t)= 5 cxe - Mag naturale of impulser) using your answer 27 5 S(w-w.) O (w) how does changing P(w): Tafferts



1 -TR SIN (TK) e i De Kt Y(w) = X/(w) H(w) explain why this system = ideal because all frequencies above and below we the 3 we are multiplied by of this pradically eliminated 8 d) modify code to implement lowpords 8/e w) autoff frequency co= 0.75 Tr run 3 then done w= 1.75 Tr 000000 tum in plote for ا في اد تما 9 9

Y(w) USING Alt)=cos(wet) (w)=TT 8(w-10) +TT 8 (w+10) Y(w) = 2T. X(w) *(T S(w-w2)+TT S(w+w2) magnifies the amplitude by Since/it wessign you know there are only impulse within the as values -wm - wm are is a w=0 w/amplitude = 11 = \frac{\(\text{X(w)} \cdot \text{T}\)}{\(\text{Z}\(\text{T} \) \) -Wm