Subject Subjec	
9/1/10/F	
$a \cdot \mathscr{C}(x) = e^{-t} \qquad -1 < t < 1 \cdot 9  T = Y \qquad \qquad w = \frac{Yn}{T} = \frac{Yn}{Y} = \pi \qquad \qquad 6$	
$a_{k} = \frac{1}{r} \int_{-1}^{1} e^{-t} e^{-jknt} dt = \frac{1}{r} \int_{-1}^{1} e^{-(1+jkn)t} dt$	
$a_{K} = \frac{1}{r} \times \frac{-1}{1+jkn} \times e^{-(1+jkn)} \left\{ \begin{pmatrix} 1 \\ -1 \end{pmatrix} \right\}$	
$\alpha_{K} = \frac{-1}{r(1+jkn)} \left( e^{-(1+jkn)} - e^{(1+jkn)} \right)$	
$\int a_{l} = \frac{-1}{r} \left( e^{-l} - e^{-l} \right)$	
$a_{\gamma} = \frac{-1}{\Gamma(1+Y_{j}\pi)} \left( e^{-1(1+J_{j}\pi)} - e^{(1+J_{j}\pi)} \right)$	
$\sum_{\alpha_{K}}^{k=\infty} j \kappa n + \sum_{\alpha_{K}} a_{K} e$	0
k= -∞	
b. 9((t) = {Υ -1 <t<0 ,="" w="\(\frac{\frac}\frac{\frac{\fracc}\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\&lt;/td" τ="Υ"><td>•</td></t<0>	•
$a_{K} = \frac{1}{r} \int_{-1}^{1} x(t) \cdot e^{-jknt} dt = \frac{1}{r} \int_{-1}^{0} r \cdot e^{-jknt} dt$	ì
$a_{K} = \frac{1}{jKn} e^{-jKnt}   o + \frac{1}{jKn} e^{-jKnt}   1$	
$\begin{cases} a_{i} = \frac{-1}{jR} + \frac{1}{jR} e^{jR} + \frac{1}{jR} e^{-jR} & jRR + \frac{1}{jRR} e^{-jRR} + \frac{1}{jRR} e^{-jR} + \frac{1}{jR} e^{-jR}$	·
$(a_{K} = \frac{-Y}{jKn} + \frac{1}{jKn}e^{jKn} + \frac{1}{jKn}e^{jKn}$	-6
$\begin{cases} x(t) = \sum_{k=\infty}^{\infty} a_k e^{jknt} \end{cases}$	•









