$$\begin{array}{c} (2) & (2) \cdot e^{-t} & (2) \cdot e^$$

190 x(n) = e in (b) / Sin(1/2+1) + cos(2/2+1)  $\frac{rn}{\epsilon n_{\mu}} = r_{\mu} \times r_{\nu} = r_{\mu}$ (c)  $\chi(n)$  =  $e^{j\pi n}$ 2lt/z cos(9t)+ sin(1nt)

$$F(x)$$
:  $\frac{F(x) + F(-x)}{t} + \frac{F(x) - F(-x)}{t}$ 

$$= \int_{-\infty}^{\infty} \sin(t) \delta(tt-\epsilon) dt$$

$$= \int_{-\infty}^{\infty} \sin(t) \delta(t(t-t)) dt$$

$$= \int_{-\infty}^{\infty} \sin(t) \delta(t(t-t)) dt$$

$$= \int_{-\infty}^{\infty} a_{k} \delta(t-t) = \sin(t)$$

$$= \int_{-\infty}^{\infty} A_{k} \delta(t-t) = \sin(t)$$

$$= \int_{-\infty}^{\infty} A_{k} \delta(t-t) = \int_{$$

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