Spenple 9.2
$$X(t) = e^{-at}$$

$$X(jw) = \int_{0}^{\infty} e^{-at-jwt} dt$$

$$= -\frac{1}{a+w} \left(e^{-at-iwt} \right) dt$$

Ro {5} > - 9

$$x(t) = -e^{-4t}u(-t)$$

$$X(S) = -\int_{-\infty}^{-(\alpha+S)} t dt$$

$$\int_{0}^{-\infty} (3+5) t dt$$

$$X(5) = \frac{1}{S+Q} \qquad \text{Soc} = \mathbb{R}[S] < -q$$