CPE381 #10

Laplace

$$\int \delta(t) - 1$$
 $\int u(t) - \frac{1}{5}$ 
 $r(t) - \frac{$ 

$$\frac{S}{S^{2}+N^{2}} \xrightarrow{\text{POLES}} : S^{2}+N^{2}=4 \times S^{2}=-N^{2}$$

$$S^{2}=-N^{2}$$

$$S=\sqrt{-N^{2}}=\pm jN$$

$$S^{2}+2s+4=1S^{2}+2S+4S^{2}$$

$$root((124))$$

$$e^{-at}u(t)$$

$$Z() = \frac{1}{s+a}$$