Find the complex frequency / Don't wase

$$S = 0 + j0 = 0 \quad \text{De} \qquad \text{Laplace transform}$$

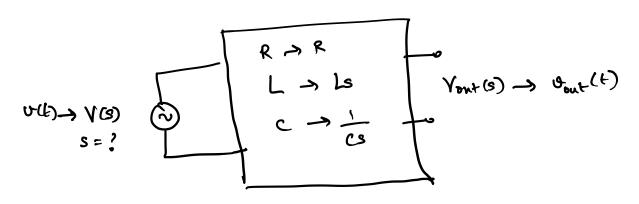
$$S = 0 + j0 = 0 \quad \text{V(9)} = 5$$

$$V(t) = 5e^{-3t} \quad \text{V} \qquad \text{exponential}$$

$$S = -3 + j0 \quad \text{V(5)} = 5$$

$$V(t) = 5 \cos(3t + us^{0}) \quad \text{V} \qquad \text{Ac} \quad \text{I sirmsoidal}$$

$$S = 0 + j^{3} \quad \text{V(9)} = 5 \quad \text{Us}^{\circ} = 5e = 5(\cos us + j \sin us^{0})$$



For these source excitations, you don't need haplace transform

lukes to use Laplace Transform

$$u(t) = e^{-3t}$$

$$u(t) = \delta(t-3)$$

$$u(t) = te^{-2t}$$

$$u(t) = te^{-2$$