1. 
$$\mathcal{L} \left[ 3 - e^{-3t} + 5 \sin 2t \right] = F_{(s)}$$
  
 $F_{(s)} = \frac{3}{s} - \frac{1}{s+3} + \frac{5(2)}{s+2}$   
 $F_{(1)} = \frac{3}{s} - \frac{1}{s+3} + \frac{10}{s+4}$ 

1. 
$$\mathcal{L} = \begin{cases} 8 - 3s + s^2 \\ s^3 \end{cases} = f(t)$$

$$f(t) = \begin{cases} 8 - 3s + s^2 \\ s^3 \end{cases} = f(t)$$

$$f(t) = 4t^2 - 3/s^2 + 1/s$$

$$f(t) = 4t^2 - 3t + 1$$

$$\mathcal{L} \left[ 3 - e^{-3t} + 5 \sin 2t \right] = F_{CG} \right)$$

$$F_{CG} = \frac{3}{|s|} - \frac{1}{|s|} + \frac{5(2)}{|s|} + \frac{2}{|s|}$$

$$F_{CG} = \frac{3}{|s|} - \frac{1}{|s|} + \frac{5(2)}{|s|} + \frac{2}{|s|}$$

$$\int \frac{1}{|s|} \frac{1}{|s|} + \frac{1}{|s|} + \frac{1}{|s|} + \frac{1}{|s|} + \frac{1}{|s|}$$

$$\int \frac{1}{|s|} \frac{1}{|s|} + \frac{1}{|s|} + \frac{1}{|s|} + \frac{1}{|s|} + \frac{1}{|s|}$$

$$\int \frac{1}{|s|} \frac{1}{|s|} \frac{1}{|s|}$$

$$\int \frac{1}$$