My" + ky = Fcos (wet) [1C:
$$y(0)=0$$
 $\Rightarrow y''+\omega_0^2y = Fcos(\omega_0)$ where $y'(0)=0$ $\Rightarrow y''+\omega_0^2y = Fcos(\omega_0)$ where $y''=0$ $y'=0$ $y'=0$

n)
$$D = C$$
, $t + 0 + 0$
 $Y = C_2 Sin(\omega_{orl}) + \left(\frac{F}{2\omega_o} t\right) sin(\omega_{orl})$
 $\hat{Y} = C_2 \omega_o (os(\omega_{orl}) + \frac{F}{2\omega_o} t) sin(\omega_{orl}) + \frac{F}{2\omega_o} t \cdot (os(\omega_{orl}) + \frac{F}{2\omega_o} t) + \frac{F}{2\omega_o} t \cdot (os$