Practice of Classmates is we came!!

showever write up anwsers yourself

y" - & y' + 16 = 3 cos 4 t - sin 5 t

please find y(t) matches thin Equ. and the following initial condition

hint: $y = y_p + y_{homo}$ $\begin{cases} P(D) y_p = 3 \cos 4t - \sin 5t \\ P(D) y_{homo} = 0 \end{cases}$

If natches the mittal condition