Engineering Mathematics

Homework 5

1. Find
$$y_p$$
: $y''-5y'+4y=8e^x$

2. Find y_p : $y''+4y=x\cos x$

3. Solve: $y''+4y'+4y=3e^{-2x}$

2. Find
$$y_p$$
: $y'' + 4y = x \cos x$

3.
$$Solve: y''+4y'+4y=3e^{-2x}$$