

Undetermined Coefficients.

Directions: Do one step, and then pass it along to the next student. You do not have to solve the entire problem. If you see a mistake, correct it. If you are not sure, discuss. I will check back.

Solve the problem below.

1. $y'' - 5y' - 24y = 3 \sin x + 2 \cos 7x$

2. $y'' + 2y' + 5y = x^2 + e^{-x}$

3. $y'' + 8y' = x - \cos x$