Constant 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 each of the problems below. Explain how the solution methods differ.

1. $y'' + 3y' - 54y = 0$

2. $y'' + 18y' + 81y = 0$

3. $y'' + 2y' + 10y = 0$

4. Find the Wronskian for each of the fundamental sets above.