

Cauchy-Euler.

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.  $x^2y'' - 4xy' + 6y = 0$

2.  $x^2y'' + 9xy' + 16y = 0$

3.  $x^2y'' + 3xy' + 5y = 0$

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