

Math 3280 Worksheet 16:  
Linear homogeneous ODEs with constant coefficients

Group members (2 to 4): \_\_\_\_\_

(1) Solve the initial value problem  $4y'' - 4y' + 5y = 0$ ,  $y(0) = 1$ ,  $y'(0) = 0$ .

(2) Solve the initial value problem  $4y'' + 4y' + y = 0$ ,  $y(0) = 0$ ,  $y'(0) = 1$ .