

Math 3280 Worksheet 23:
Nonhomogeneous linear ODEs with constant coefficients

Group members (2 to 4): _____

- (1) Solve the initial value problem $y'' - y' = \sin(x)$, $y(0) = 0$, $y'(0) = 1$.
(First find the general solution $y = y_c + y_p$, where y_c solves the associated homogeneous version of the ODE.)