

Math 2080: Differential Equations

Worksheet 3.2: Equations with constant coefficients

NAME:

Find the general solution to the following 2nd order differential equations.

1. $y'' - 3y' - 4y = 0$

2. $y'' - 4y' + 13y = 0$. (Write your answer using sines and cosines, rather than complex exponentials.)

3. $y'' + 10y' + 25y = 0$.