MATH 242 Video Worksheet Section 5.3 Homogenous Equations with Constant Coefficients
Repeated roots-
The peated 100th
Complex Roots

Repeated Complex Roots

$$2y'' - 7y' + 3y = 0$$

$$y'' - 6y' + 13y = 0$$

$$y^{(3)} + 10y" + 25y' = 0, y(0) = 3, y'(0) = 4, y"(0) = 5$$

$$y^{(4)} - y^{(3)} + y'' - 3y' - 6y = 0$$