

Problem Set 15, Math 54-Lec 3, Linear Algebra, Fall 2017

NOVEMBER 15TH, 2017

Problem 1 Consider the differential equation: $y''' + 2y'' - y' - 2y = 0$. Find a general solution by setting $x_1 = y, x_2 = y', x_3 = y''$ and solving the associated system of first order differential equations.