

The University of Zambia
Department of Mathematics and Statistics
Mat 3110-Engineering Mathematics II

Assignment 2- Submit by Friday, 2nd April, 2021.

Find the general solution to the following ordinary differential equations.

1. $x^2y'' + 3xy' + y = 0.$

2. $x^2y'' + 4y = 0.$

3. $x^2y'' + 5xy' - 21y = 0.$