Practice Quiz 9 Math 2280, Ordinary Differential Equations, Spring 2024

NAME: Solutions

A#: ----

Problem 1. Exercise 19.4a (10 points) Find the general solution for the following

$$y'''-8\ y=0$$

Solution:

$$y''' - 8y = 0$$

$$Y'' - 8y = 0$$

Problem 2. Exercise 20.1e (10 points) Find the general solution (in terms of real-valued functions) for the following Euler equation.

$$x^2 y'' - 5 x y' + 9 y = 0$$

Solution:

$$x^{2}y'' - 5xy' + 9y = 0$$