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

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: