

Quiz 9

MATH 2280, ORDINARY DIFFERENTIAL EQUATIONS, FALL 2023

NAME:

A#:

Problem 1. Ex. 17.4.b Solve the following initial value problem.

$$y'' - 8y' + 16y = 0, \quad y(0) = 0, \quad y'(0) = 1$$

Solution:

Problem 2. Ex 19.1.c (10 points) Using clever factoring, of the characteristic polynomial find the general solution of the following:

$$y^{(4)} - 34 y'' + 225 y = 0$$

Solution: