Practice Quiz 12 Math 2280, Ordinary Differential Equations, Spring 2024

Name: _____   A#: _____

Problem 1. Exercise 28.4a (10 points) Solve the following initial value problem using the Laplace transform.

$$y' + 9\,y = 0,$$

with $y(0) = 4$.

Solution:

Problem 2. Exercise 29.4c (10 points) Using convolution compute the inverse Laplace transform of the following.

$$\frac{1}{s\left(s^2+4\right)}$$

Solution: