

# Math 240 - Quiz 7

March 23, 2023

Name \_\_\_\_\_

Score \_\_\_\_\_

Show all work to receive full credit. Supply explanations when necessary.

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1. (10 points) Solve the following initial value problem:

$$y'' - 2y' = 2e^x + 4x + 8; \quad y(0) = 1, \quad y'(0) = 3.$$