

MATH 152 Quiz 7

Name: \_\_\_\_\_

Class time: \_\_\_\_\_

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**Show all work** . 5 points each.

1) Find the general solution for the differential equation

$$\frac{dy}{dx} = \frac{y^2}{e^x}.$$

2) Find the general solution for the differential equation

$$\frac{dy}{dx} = \frac{x+y}{x}, x > 0.$$