

Math 1552 Summer 2019

Quiz 3

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

Section: \_\_\_\_\_

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1. [20pts] Solve the following separable differential equation. (**Solve for y**)

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

2. [20pts] Evaluate the integral.

$$\int x^2 e^{-2x} dx$$