

Math 240 - Quiz 4

February 16, 2023

Name _____

Score _____

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

1. (5 points) Solve: $x \frac{dy}{dx} + y = x^2 y^2$

2. (5 points) Solve: $x \frac{dy}{dx} = y + x e^{y/x}, \quad y(1) = 1$