

NAME: _____ ID: _____ Section: _____

Exercise 1 (9 points)

Solve the differential equation $\frac{dy}{dx} = y^2 - 3y + 2$ and find all singular solutions.

Exercise 2 (6 points)

Solve the differential equation $x \frac{dy}{dx} - y = x$ (**show all your steps**)

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Exercise 1 (9 points)

Solve the differential equation $\frac{dy}{dx} = y^2 - 5y + 6$ and find all singular solutions

Exercise 2 (6 points)

Solve the differential equation $y \frac{dx}{dy} - x = y$ (**show all your steps**)

