

MAT 120

Spring 2023

Quiz 3

Total Marks: 15

Student Name:

Student ID:

Section 12

Answer all the questions below:

1. Separable Variable: Solve $x^2 \frac{dy}{dx} = y - xy$, $y(-1) = -1$.
2. Solve the exact differential equation: $(4y + 2t - 5)dt + (6y + 4t - 1)dy = 0$, $y(-1) = 2$