

Math 222-Quiz-4 (84)

Name: _____

ID: _____

Marks: $\left[\frac{\quad}{5} \right]$

Question 1

Find $\frac{dy}{dx}$ if , $2e^{y-x} = 3e^x + y^2$ also simplify the result.

(Write all details)

Question 2

Find $\frac{d^3y}{dx^3}$ where $y(x)$ is defined by, $2\sin 3x + 2x^2 + x^{-3} + \ln 2x$.

(all details are needed)