

Quiz No: 3

Name: _____ ID _____

Section _____

Marks: 8

Q1. Solve the first order differential equation $\frac{dy}{dx} = \frac{x+y}{x}$

Q2. Find general solution of $(3xy + 2)\frac{dy}{dx} + (\frac{3}{2}y^2 - 3x) = 0,$

Q3. Solve $x\frac{dy}{dx} + \frac{y}{x} = x^2y^{-1}$