Last Name: _____

First Name: _____

Student ID: _____

Quiz 8

Question 1. Find $\frac{dy}{dx}$:

    (a) *(3 marks)* $\dfrac{1}{x^3} + \dfrac{1}{y^3} = 5$

    (b) *(3 marks)* $\dfrac{x-y}{2x+3y} = 2x$

Question 2. *(4 marks)* Find the equation of the tangent line to the function $y = f(x)$ defined by $(x-y-1)^3 = x$ at $(1, -1)$.