Last Name: _____

First Name: _____

Student ID: _____

Quiz 8

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

(a) *(3 marks)* $(2x+3y)^{1/3} = x^2$

(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 $(1,-1)$.