

Last Name: \_\_\_\_\_

First Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

## Quiz 7

**Question 1.** (10 marks) Find the derivative  $\frac{dy}{dx}$

(a)

$$\sqrt{xy} = 2x + y^2$$

(b)

$$\frac{x+y}{x-y} = 3x$$

(c)

$$xy^{3/2} = x^2 + y^2$$