Quiz 04 – Version A

Name: _____ **UID:** _____

1. (5 points) For the curve

$$x^2 + xy + y^2 = 3,$$

find dy/dx in terms of x and y, and evaluate it at $(1, 1)$.

2. (5 points) Find dy/dx for

$$y = x \cdot \arctan(2x).$$