Quiz 04 – Version B

Name: _____ **UID:** _____

1. (5 points) For the curve

$$x^2 + xy + y^2 = 7,$$

find dy/dx in terms of x and y, and evaluate it at $(2, 1)$.

2. (5 points) Find dy/dx for

$$y = x \cdot \arctan(3x).$$