
Name: _____

QUIZ 8

MATH 200, SECTION 1
March 26, 2021

1. This problem involves the equation $x^2 + xy + y^2 = 7$.

(a) Use implicit differentiation to find y' .

(b) Use your answer from (a) to find the slope of the tangent to the equation's graph at $(-2, 3)$.

2. Use logarithmic differentiation to find the derivative of $y = (x - 1)^x$.