
Name: _____

QUIZ 8

MATH 200, SECTION 9
March 26, 2021

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

(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 $(3, 2)$.

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