

Name: _____

QUIZ 14 


MATH 200
October 10, 2023

Directions Use logarithmic differentiation to find the derivatives of the given functions.

1. $y = x^{\sin(x)}$

2. $y = \frac{e^x x^2 \sin(x)}{x + 1}$

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Directions Use logarithmic differentiation to find the derivatives of the given functions

1. $y = (x + 1)^x$

2. $y = \frac{x\sqrt{\sin(x)}}{5 + e^x}$