Name: _____

Quiz 10

MATH 200
September 23, 2025

Directions: Differentiate the following functions.

1. $y = \left(x^3 + \cos(x)\right)^8$

2. $y = \sqrt{x^2 + 9}$

3. $y = \left(\tan(x) + x\right)\left(1 + e^x\right)^{100}$

4. $y = \sin\left(e^{5x^2}\right)$

Name: _____

Quiz 10

MATH 200
September 23, 2025

Directions: Differentiate the following functions.

1. $y = \sqrt[3]{\cos(x) + \sin(x)}$

2. $y = \left(x^3 + 2e^x\right)^7$

3. $y = (x + e^x)\big(1 + \tan(x)\big)^{100}$

4. $y = e^{\sin(5x^2)}$