Name: _____

Quiz 10

MATH 200
February 22, 2022

Directions: Differentiate the following functions.

1. $y = e^{x/2}$

2. $y = \cos^5(x)$

3. $y = \Big(1 + \tan(e^x)\Big)^{10}$

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

5. $y = \sec(x^2) + \sec^2(x)$

Name: _____

Quiz 10

MATH 200
February 22, 2022

Directions: Differentiate the following functions.

1. $y = 3e^{-x}$

2. $y = \cos\left(e^{x^2+x}\right)$

3. $y = (x + \sin(x))^8$

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

5. $y = \sec(x^3) + \sec^3(x)$