


---

Name: \_\_\_\_\_

QUIZ 14 


MATH 200  
October 8, 2024

---

1. Use logarithmic differentiation to find the derivative of  $y = \frac{x^8 \sqrt[3]{\sin(x)}}{\cos(x)^x}$ .

---

Name: \_\_\_\_\_

QUIZ 14 

MATH 200  
October 8, 2024

---

1. Use logarithmic differentiation to find the derivative of  $y = \frac{\cos(x)^x}{x^8 \sqrt[3]{\sin(x)}}$ .