
Name: _____

QUIZ 8 ♡

MATH 200
February 10, 2026

1. Suppose $f(x) = \sin(x) + \cot(x)$. Find $f'(x)$.

2. Suppose $y = (x^5 - 4x)e^x$. Find $\frac{dy}{dx}$.

3. Suppose $y = \frac{1}{1 + \tan(x)}$. Find y' .

4. Information about functions f and g and their derivatives are given in the table below.

Suppose $h(x) = x^2 f(x) + g(x)$. Find $h'(2)$.

x	1	2	3	4	5	6
$f(x)$	-3	-2	1	5	6	3
$f'(x)$	5	3	2	1	0	-2
$g(x)$	0	1	-2	3	-4	5
$g'(x)$	2	-3	5	-8	10	-15