MATH	101	Quiz#7,	Time:	30	min
1411.7 1 11	IVI	Quizii 1,	I IIIIC.	Ju	11111

MATH 101 Quiz#7, Time: 30 min
Student's Name: _____ ID: _____ Serial No: _____

1. Differentiate the function $y = \ln |1 + t - t^3|$

2. If
$$g(x) = (f(x^3))^2$$
 and $f(8) = \frac{1}{4}$, $f'(8) = 2$, then $g'(2) =$

3. Find an equation of the tangent line to $y = x^2 \ln x$ the curve at (1, 0).