

Quiz #3 Math 101 Semester 041

Name:	I.D.	Section #	
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1. Find dy/dx if $y = \left(\frac{1 + x \csc x^2}{1 - \sec 2x \cot x} \right)^2$

2. Find dy/dx $y = x^e$

3. Find $\frac{dy}{dx}$ if $2y^3t + t^3y = 1$ and $\frac{dt}{dx} = \frac{1}{\cos t}$