

Name: _____

Date: 09/28

MATH 125

Quiz 4A

Problem 1. Differentiate the function $y = \frac{x^2}{2 - \sin x}$.

Problem 2. Find the limit $\lim_{x \rightarrow +\infty} \cos \frac{1}{x} \sin \frac{1}{x}$ using squeeze theorem.

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MATH 125

Quiz 4B

Problem 3. Differentiate the function $y = \frac{\sin x}{2 - x^2}$.

Problem 4. Find the limit $\lim_{x \rightarrow +\infty} \sin x \tan \frac{1}{x}$ using squeeze theorem.

Final Score: _____