

MATH 132

QUIZ #1

Discuss the  $\lim_{x \rightarrow x_0} \frac{\sqrt{x} - \sqrt{a}}{x - a}$

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QUIZ #2

Analyse and sketch the graph of

$$y = f(x) = \frac{x-2}{x+4}$$

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QUIZ #3

Integrate by parts  $\int e^{3x} \cos 5x \, dx$

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QUIZ #4

Find the integral  $\int \sin^3 x \cos^5 x \, dx$

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QUIZ #5

Find the 1<sup>st</sup> and 2<sup>nd</sup> order partial derivatives of  $f(x,y) = e^{xy^2} \sin \frac{y}{\sqrt{x}}$