

Name: _____

Instructions: Show your work neatly. You do not need to simplify your answers.

February 28, 2013

1. Find the derivative of $f(x) = (\cot(x))^{399}$.

2. $\frac{d}{dx} \left[\sqrt{\frac{\sin x}{x}} \right] =$

3. Let $f(x) = e^{\sqrt{\csc(x)}}$. Find $f'(x)$.

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1. Find the derivative of $f(x) = \sec(6x^2 - x)$.

2. Let $f(x) = \sin(x)e^{x^2+1}$. Find $f'(x)$.

3. $\frac{d}{dx} \left[\frac{x}{\sqrt{\cot(x)}} \right] =$

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MATH 200 – QUIZ 7 ☒

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February 28, 2013

1. $\frac{d}{dx} \left[\sin(e^{5x}) \right] =$

2. Find the derivative of $f(x) = (67x + x^{-2})^{217}$.

3. Let $f(x) = \cos(x) \sin(\sqrt{x})$. Find $f'(x)$.

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MATH 200 – QUIZ 7 ☒

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February 28, 2013

1. Find the derivative of $f(x) = \csc(\pi^2 x)$.

2. Let $f(x) = e^{(16x^2 - 17x)}$. Find $f'(x)$.

3. $\frac{d}{dx} \left[\frac{1}{\cos^2(3x)} \right] =$