

PRINT your name _____

Quiz for April 6, 2009 – 9:30 section

Remove everything from your desk except this page and a pencil or pen.

Circle your answer. Show your work.

The quiz is worth 5 points.

Let $y = e^{x \sin x}$. Find $\frac{dy}{dx}$.

Answer: We see that

$$\frac{dy}{dx} = (x \cos x + \sin x)e^{x \sin x}.$$