

PRINT your name _____

Quiz for March 17, 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 $y = \sin(\sqrt{2x^2 + \pi x})$. Find $\frac{dy}{dx}$.

Answer: We have

$$y' = \frac{(4x + \pi) \cos(\sqrt{2x^2 + \pi x})}{2\sqrt{2x^2 + \pi x}}.$$