PRINT your name _____

Quiz for March 17, 2009 − 8:00 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 $y = \ln(\sin(4x))$. Find $\frac{dy}{dx}$.

Answer: We have

$$\boxed{y' = \frac{4\cos(4x)}{\sin(4x)}.}$$