No calculators, cell phones, computers, notes, etc.

Circle your answer. Make your work correct, complete and coherent.

The quiz is worth 5 points. The solutions will be posted on my website later today.

Let $w = \ln(2x + 3y)$. Find $\frac{\partial^2 w}{\partial x \partial y}$.

ANSWER:

$$\frac{\partial w}{\partial y} = \frac{3}{2x + 3y}.$$

$$\boxed{\frac{\partial^2 w}{\partial x \partial y} = \frac{-6}{(2x + 3y)^2}.}$$