Please PRINT your name _____

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.

Quiz 6, September 23, 2020

Let $f(x,y) = 2x^2 \sin(2x + 3y)$**. Find** $\frac{\partial f}{\partial x}$ **and** $\frac{\partial f}{\partial y}$**.**

We calculate

$$\boxed{\frac{\partial f}{\partial x} = 2x^2 2\cos(2x + 3y) + 4x \sin(2x + 3y) \quad \text{and} \quad \frac{\partial f}{\partial y} = 6x^2 \cos(2x + 3y).}$$