Mathematics 206a: Multivariable Calculus  
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Quiz #15  
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Suppose \( f(x, y) = x^4 y^3 + xy^6 \)

\[
\frac{\partial f}{\partial x} =
\]

\[
\frac{\partial f}{\partial y} =
\]

\[
\frac{\partial^2 f}{\partial x^2} =
\]

\[
\frac{\partial^2 f}{\partial y^2} =
\]

\[
\frac{\partial^2 f}{\partial x \partial y} =
\]

\[
\frac{\partial^2 f}{\partial y \partial x} =
\]