## Implicit Differentiation and the Second Derivative

Calculate $y^{\prime \prime}$ using implicit differentiation; simplify as much as possible.

$$
x^{2}+4 y^{2}=1
$$

MIT OpenCourseWare
http://ocw.mit.edu

### 18.01SC Single Variable Calculus] []

Fall 2010 ㅁ

For information about citing these materials or our Terms of Use, visit: http://ocw.mit.edu/terms.

