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class: MATH 181
date: March 5, 2009

Quiz 15

Problem 1

Find $\frac{dy}{dx}$ by implicit differentiation

$$1 + x = \sin(xy^2)$$

Problem 2

Find an equation of the tangent line to the given curve at the point $(1, -2)$.

$$y^2 = x^3 + 3x^2$$