From the other end, we would like proge so that progre compile

$$\frac{1}{\partial x} \varphi(x, y(x)) = \frac{\partial \varphi}{\partial x} \cdot \frac{\partial \varphi}{\partial x} + \frac{\partial \varphi}{\partial y} \cdot \frac{\partial \varphi}{\partial x} = 0$$

$$= \frac{\partial \varphi}{\partial x} + \frac{\partial \varphi}{\partial y} \cdot \frac{\partial \varphi}{\partial y} = 0$$

Compare with the example

A plays the role on a const.

Then

and Virgie x lay + xhirte

Theorem It

Mings + Norga &

1) exact (b exist), the

Ex. (1+ ln(x,g)) + x d

M. ( holy) - 1 h has he had sign of

N- 1

or there exists a political during the deal such the

24 m, 34 = N, and drags is a solution of the com

- 14 - 14 )

$$\chi^2 y dx + (xy^2 + y^3) dy = 0$$

Try to tempore a line

$$\frac{2y}{3y} - xy^2 + y^3 = \frac{1}{3}x^3y^3$$

Ex Yuga-

y ty: 1 = Umm- x'y'

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