Section 31.1: conta

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example: consider the following Di:

Is
$$y = x^2$$
 a solution?

plus into
$$\frac{dy}{dy} = \frac{\partial xy}{\partial x}$$

$$9x = 9x_3$$

two types of solutions:

explicit
$$\Rightarrow$$
 Solve for y
$$x^{2} + y^{2} = cx \qquad \text{end explicit}$$

$$y^{2} = cx - x^{2}$$

 $y = \pm \sqrt{c_{x-x^2}}$ = now its explicit implicit $\rightarrow x^2 + y^2 = c_x$ = can stop here $\rightarrow a_0$ not need to solve for any particular variable