

# Re: help on math notation

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  - *Date:* Wed, 2 Nov 2005 15:19:42 +0000 (UTC)
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In article <1130944311.070083.81430@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>, <guillaume07@xxxxxxxx> wrote:

>I'm a french boy , excuse for my approximative english ...  
 >  
 >I'm in trouble with a notation in mathematics:  
 >  
 >the x0 variable (where 0 is an indice of x). what's the meaning of this  
 >notation, it equal to x(0) ?

Depends on the context, but usually no.

It usually means a specific value for the variable x. For example, one way to define the derivative at a point, called x0, would be to define it as the limit, as  $x \rightarrow x_0$ , of  $[f(x)-f(x_0)]/[x-x_0]$ .

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 "It's not denial. I'm just very selective about  
 what I accept as reality."  
 --- Calvin ("Calvin and Hobbes")  
 =====

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