

# Re: stumped on integral

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*Source:* <http://sci.tech-archive.net/Archive/sci.math/2005-07/msg02662.html>

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- *From:* "Proginoskes" <[proginoskes@xxxxxxxxxxxxxx](mailto:proginoskes@xxxxxxxxxxxxxx)>
  - *Date:* 17 Jul 2005 20:46:41 -0700
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The World Wide Wade wrote:

> In article <OPuCe.156\$Qi4.26919@xxxxxxxxxxxxxxxxxxxxxxxxxx>,  
> "Kevin Long" <[supermax120@xxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:supermax120@xxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote:  
>  
>>> Integral of  $dy/(\cos^3(y))$   
>>>  
>>> Mmmm ... should be  $dy/(\cos^2(y))$   
>>  
>> No, don't think so. Check your algebra.  
>  
> LOL, have it your way.

Did you change dx to dy properly? If  $x = \sin(y)$ , then  $dx = \cos(y) * dy$ , and the  $\cos y$  cancels with one of the  $\cos(y)$ 's in the denominator.

--- Christopher Heckman

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    - ◇ *From:* The World Wide Wade

- *References:*
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    - ◇ *From:* Kevin Long
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