Subject: Re: paradoxon?
Posted by Thomas A. McGlynn on Tue, 07 Apr 1998 07:00:00 GMT
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Hein wrote:
>
> j=sqrt(-1)=sqrt(1/-1)=1/sqrt(-1)=1/j=-j
>
> Achim Hein
>
> Please answer by mail

Note that (-1)^2 = 1 so I could write analagously

-1=sqrt(1)=sqrt(1/1)=sqrt(1)/sqrt(1)=-1/-1=1

or some such sequence.

The paradox arises since you've taken square roots on both sides of an equation. When you take the root you have two possibilities for the answer and if you don't pick them correctly you can get nonsense.

Yours,
Tom McGlynn
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