

sci.math: Re: Would someone be so kind as to help me with a math equation?

## Re: Would someone be so kind as to help me with a math equation?

**Source:** <http://sci.tech-archive.net/Archive/sci.math/2005-01/0380.html>

---

**From:** Brian Evans (*b.evans\_at\_sympatico.ca*)

**Date:** 01/01/05

Date: Sat, 1 Jan 2005 00:40:22 -0500

"Dark Alchemist" <GhostOfACPast@gmail.com> wrote in message  
news:1104541510.744535.167910@c13g2000cwb.googlegroups.com...

> *I am trying to convert a sin into a cos but all I could come up with*  
> *was the half angle formula which does not give me any negatives. The*  
> *half angle formula has the correct number but it loses the sign.*

>

> *Formula I tried (simplified) was*

>

>  $x = \sin(\text{angle})$

>  $y = \sqrt{1 - x^2}$

>

Some reason you don't just use the inverse trig function for sin?

Usually written as ARCSIN or  $\sin^{-1}$ . That would give you:

$y = \cos(\arcsin(x))$ .

Brian