

Re: Simple, but a bit hard, Trigonometry problem.

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- *From:* [gtsavdar@xxxxxxxx](mailto:gtsavdar@xxxxxxxx)
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/ Phil Carmody :

quasi <quasi@xxxxxxxx> writes:

Conjecture 1:

Let  $r,s,t$  be integers such that  $\gcd(rs,t)=1$ , and let  $a=\sin(r)$ ,  
 $b=\sin(s)$ ,  $c=\sin(t)$ . Then  $c$  cannot be expressed as a polynomial in  
 $a,b$ .

What if  $t$  is 0?

Then the  $\gcd(rs,t)=1$  would be false, so the statement "Let  $r,s,t$  be integers such that  $\gcd(rs,t)=1$ " would be false too, so the implication would be true.

Now it remains to show this for  $t$  not 0....

I had 1 problem now i have 3:-( (the original, the polynomial thing and the conjectures)

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