Re: Probable Prime Number

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- *From*: bassam king karzeddin <bassam@xxxxxxxxxx>
- *Date*: Mon, 09 Oct 2006 08:08:19 EDT

bassam king karzeddin <bassam@xxxxxxxxxx> wrote:

> "If,(r^2) divides (p^2 +q^2), and the quotient (n),
> n = (p^2 +q^2)/ r^2, where (p,q,r) are odd
>
> primeumbers, then (n) is
>
> even sequre free number"

(79^2 + 47^2)/13^2 is not square free.

Mike Guy

Thank You Mike Guy for posting a counter example

The game is that, we should make changes whenever a counter example is found, and this may lead us somewhere ?

So I will restate it in another form,

Conjecture

"If,(r^2) divides (p^2 +q^2), and the quotient (n),
n = (p^2 +q^2)/ r^2, where (p,q) are odd prime numbers,and(r) is odd integer, then (n) is
even "square free number"

So, let us see a counter example!

Thanking you

Bassam Karzeddin
Al−Hussein Bin Talal University
Ma'an − JORDAN
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