

## Re: Dumb arguments, and social stuff

**Source:** <http://sci.tech-archive.net/Archive/sci.math/2004-10/4537.html>

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**From:** Tim Smith (*reply\_in\_group\_at\_mouse-potato.com*)

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In article <3c65f87.0410151536.492dbbef@posting.google.com>, James Harris wrote:

>> > *There is no counterexample. That's my point.*

>>

>> *Your "paper" states:*

>>

>> *Therefore, with the factorization*

>>  $65x^3 - 12x + 1 = (a_1x + 1)(a_2x + 1)(a_3x + 1)$

>> *one of the a's is coprime to 5.*

>>

>> *He shows that  $8a^2 + 4a - 45$  divides both  $a$  and 5, where  $a$  is any of your  $a_1$ ,*

>>  *$a_2$ , or  $a_3$ . That's a counterexample to the claim that one of the a's is*

>> *coprime to 5.*

>

> *You're a troll. The a's are algebraic integers.*

He shows that none of the a's are coprime to 5, by exhibiting common factors. Your paper claims that one of the a's is coprime to 5, implying no such common factor exists. Out here in reality, we call that a counterexample.

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--Tim Smith