Re: Questioning the defintions of set and element.

Source: http://sci.tech−archive.net/Archive/sci.math/2008−05/msg00293.html

- *From*: "G.E. Ivey" <george.ivey@xxxxxxxxxxxxx>
- *Date*: Fri, 02 May 2008 09:57:54 EDT

"Virgil" <Virgil@xxxxxxxxx> wrote in message
news:Virgil−DD2602.14422401052008@xxxxxxxxxxxxxxxxxxxx
.com...

> In article <wKpSj.1014$NZ7.376@xxxxxxxxxxxxx>,
>
> "Mark" <user@xxxxxxxx>
>
> wrote:
>
>> I was basically asking whether elements in a set
>
> need to share something
>
>> in
>> common.
>
> Other than membership in that set, no!

Then why would they be in a set in the first place?
Can you provide me with an example of a set whose
elements have nothing in
common with each other, other than the fact that they
belong to the set?

Okay, let A be the set containing: {The Ford Falcon I owned 30 years ago, that oddly shaped cloud just south of me right now, the number 46, and all prime roots of the equation 14x^6− 7x^5+ 32x^4− 14x^3+ 7x− 288= 0}

What do those have in common other than they are in that set?
.