# CoCoA-5 - Support #1447

## Manual entry for RandomLinearForm

20 Mar 2020 12:30 - John Abbott

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|---|---|---|---|
| **Status:** | Closed | **Start date:** | 20 Mar 2020 |
| **Priority:** | Normal | **Due date:** | |
| **Assignee:** | John Abbott | **% Done:** | 100% |
| **Category:** | Manual/documentation | **Estimated time:** | 0.66 hour |
| **Target version:** | CoCoA-5.4.0 | **Spent time:** | 0.65 hour |

**Description**

I suggest making the manual entry for **RandomLinearForm** more explicit, now that we have HomogCompt which respects weighted degrees.

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**History**

**#1 - 20 Mar 2020 12:35 - John Abbott**

*- Status changed from New to In Progress*

*- % Done changed from 0 to 10*

Robbiano requested the new function LinearForm (see #1439), and clearly had in mind that it should be linear wrt the weighted degrees.

After some consideration I implemented **HomogCompt** (see #1439 again).

Now looking for "linearform" in the manual gives the page for **RandomLinearForm**, a function which ignores the weighted degrees!

I think that page should have a "see also" referring to HomogCompt, and the description should make it clear that the weights are ignored.

What do you think?

**#2 - 20 Mar 2020 12:54 - John Abbott**

I have just checked in a (very) minor update to the man page for RandomLinearForm.
I have added a see-also to HomogCompt.

**#3 - 04 Nov 2021 20:39 - John Abbott**

*- % Done changed from 10 to 50*

**#4 - 03 Feb 2022 19:28 - John Abbott**

*- % Done changed from 50 to 70*

Is this issue now resolved satisfactorily?
I guess so.  If so, close it!

**#5 - 23 Feb 2022 12:54 - John Abbott**

*- Status changed from In Progress to Closed*

*- Assignee set to John Abbott*

*- % Done changed from 70 to 100*

*- Estimated time set to 0.66 h*


The new fn HomogCompt seems to have solved the problem (provided the grading dim is 1).
I'll update the manual.
Closing.