

## CoCoA-5 - Support #767

### Rename Log to exponents

03 Sep 2015 14:20 - John Abbott

<b>Status:</b>	Closed	<b>Start date:</b>	03 Sep 2015
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	John Abbott	<b>% Done:</b>	100%
<b>Category:</b>	enhancing/improving	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	CoCoA-5.1.3/4 Jan 2016	<b>Spent time:</b>	0.70 hour
<b>Description</b>			
In noe with using the same fn names in CoCoA-5 and CoCoALib we have decided to change log (of a power product) into exponents.			
The old names log and Log are obsolescent; they will continue to work, but each call will print out a warning about being obsolescent.			
<b>Related issues:</b>			
Related to CoCoA-5 - Feature #737: Elementary transcendental functions (sin, ...		<b>In Progress</b>	<b>21 Jun 2015</b>
Related to CoCoA-5 - Support #768: Rename LogToTerm to MakeTerm		<b>Closed</b>	<b>03 Sep 2015</b>

### History

#### #1 - 03 Sep 2015 14:24 - John Abbott

- Status changed from New to In Progress
- % Done changed from 0 to 10

The new name exponents is rather long, but is easier to understand.

The impl in BuiltinFunctions.C cannot be 1 line because there must also be a call to LPP; this is perhaps due to a slightly different definition in CoCoA-5 from that of CoCoALib - in CoCoA-5 it applies to the LPP of a poly whereas in CoCoALib it applies to a PP.

Not using the name log makes it potentially easier to add some approx transcendental functions (see [#737](#)).

#### #2 - 03 Sep 2015 14:29 - John Abbott

- Status changed from In Progress to Resolved
- Assignee set to John Abbott
- % Done changed from 10 to 70

Changed BuiltinFunctions.C; updated packages and documentation; updated tests.

How to rename **LogToTerm**???

#### #3 - 03 Sep 2015 16:00 - John Abbott

- Status changed from Resolved to Feedback
- % Done changed from 70 to 90

#### #4 - 17 Feb 2016 13:02 - John Abbott

- Status changed from Feedback to Closed
- % Done changed from 90 to 100

Closing after 6 months in feedback.