

**MAWA FREO 2009  
MAS 3ABCD**

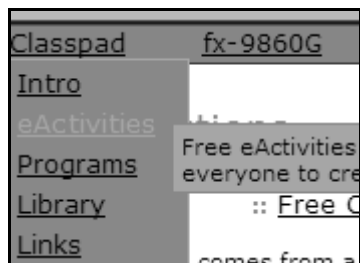
**Update now!**



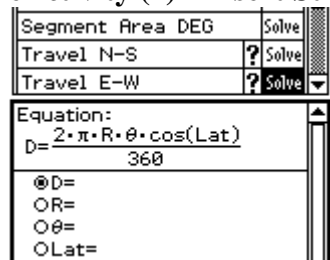
Some of the activities shown here are only possible with Classpad OS v3.04 and later.

**Download eActivity!**

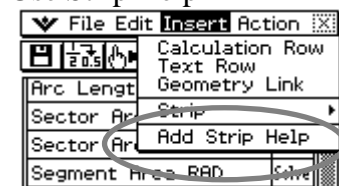
These activities and more from [www.charliewatson.com/casio](http://www.charliewatson.com/casio)



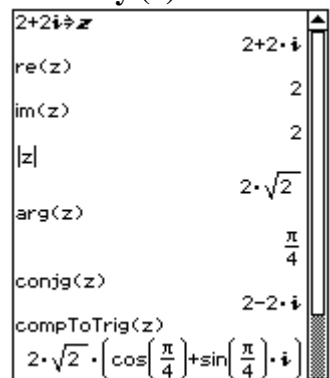
**eActivity (1) - Insert Strips**



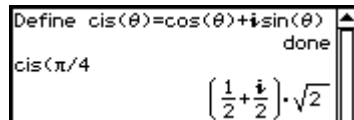
**Use Strip Help**



**eActivity (2) - Cascade Style**

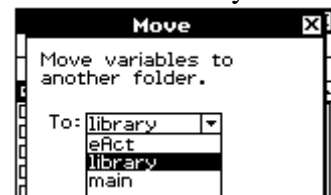


**Define own functions**



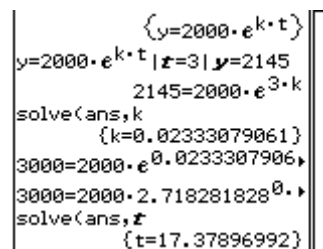
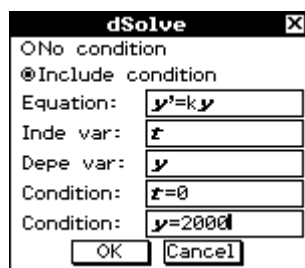
**Global functions**

Once defined, select and move them to the library folder.

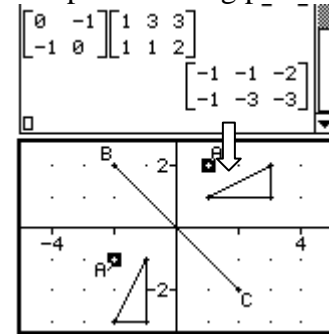


**Differential equations**

Population of 2000 grows exponentially so that after 3 years is now 2145. How long before pop reaches 3000 if growth continues?



**Perform matrix transformation and plot resulting points**



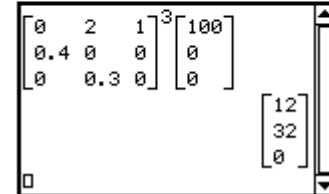
**Leslie Matrices**

**Generational change**

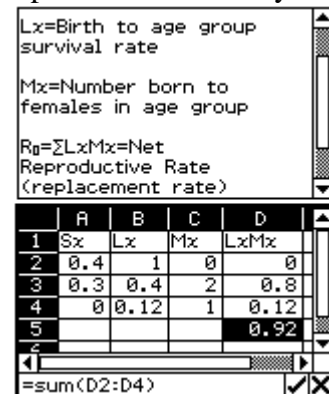
3 age groups  
100 new born only at start

Group	Sx	Mx
1	0.4	0
2	0.3	2
3	0	1

R0 = 0.92 (Decay)

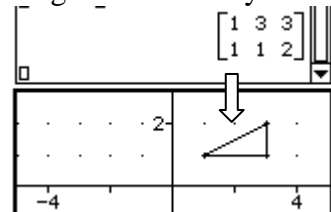


**Spreadsheet for analysis**

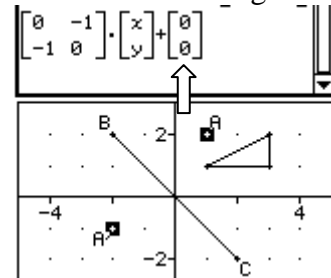


**Transformation matrices**

Arrange points in matrix and drag into Geometry window



Set up a point, transform it, then select both and drag into Main.



**Vector methods**

