ClassPad II Help Series	Casio Education Australia - supporting Australian teachers	www.casio.edu.shriro.com.au	Author	Charlie Watson
CP984	Example Small Programs		Date	April 2015
			CPII OS	02.00.2000.0000

Here are some examples of small programs to add further functionality to your ClassPad.

These mini-programs can be created on your hand held or downloaded from the internet and sent to your handheld using a USB cable.

Try www.charliewatson.com/classpad.

Placing these mini-programs into the Other Data/Library folder on your Classpad allows access to them not only from Main and the Program application but also from within any eActivity.

They are displayed as EXE file types in the variable manager.

Factors of n: fact creates a list of all the factors from **1** to **n** of any positive integer **n**.

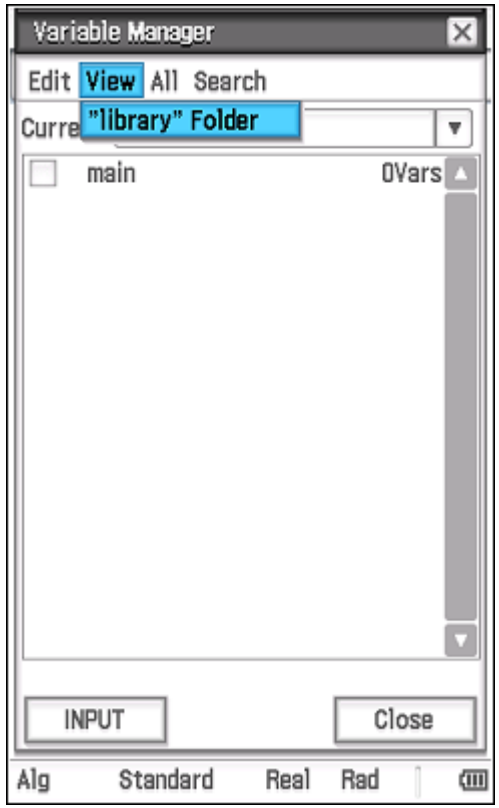
In Main enter **fact(n)**, where **n** is the number you want the factors of and they are returned in a list.

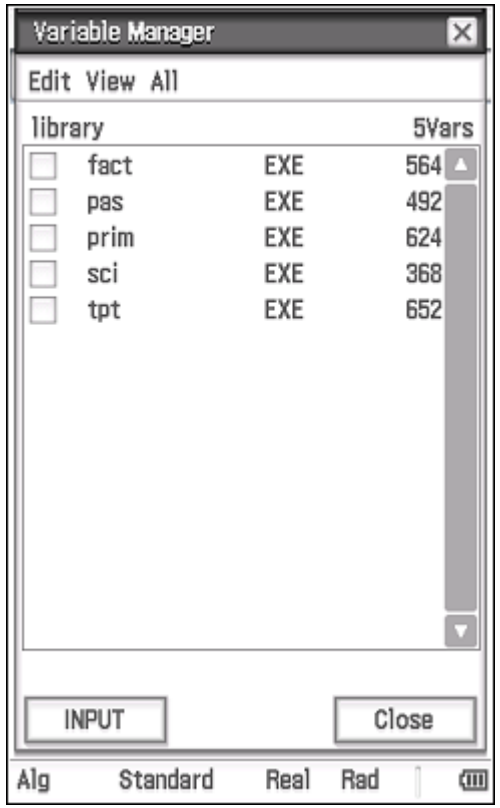
This list is stored as the variable *flist* and can be retrieved at any time by typing *flist*.

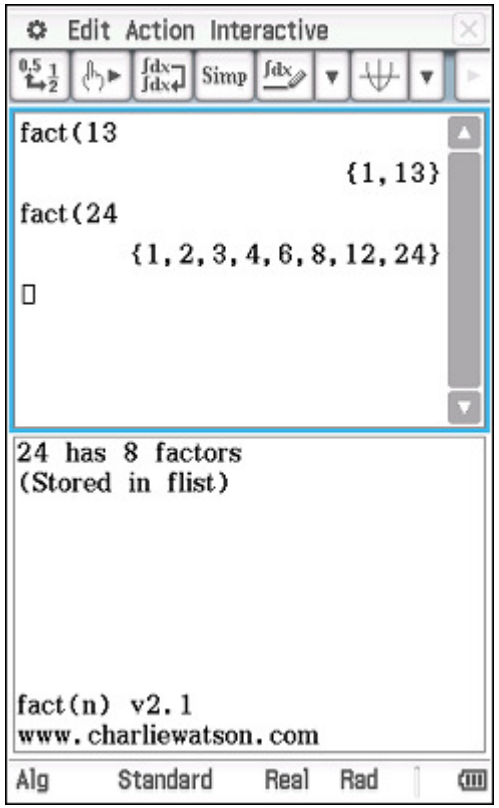
nth row of Pascal's triangle: pas creates a list of all the coefficients in the **n**th row of Pascal's triangle.

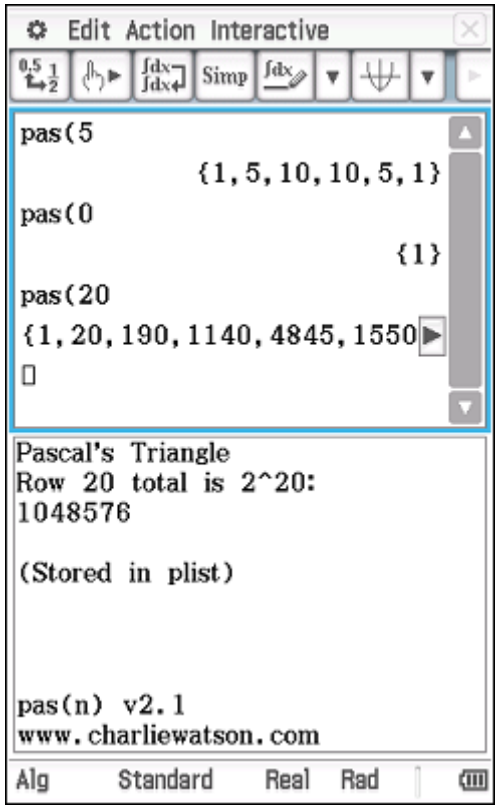
In Main, enter **pas(n)**, where **n** is the row you want and the coefficients are returned in a list.

This list is stored as the variable *plist* and can be retrieved at any time by typing *plist*.









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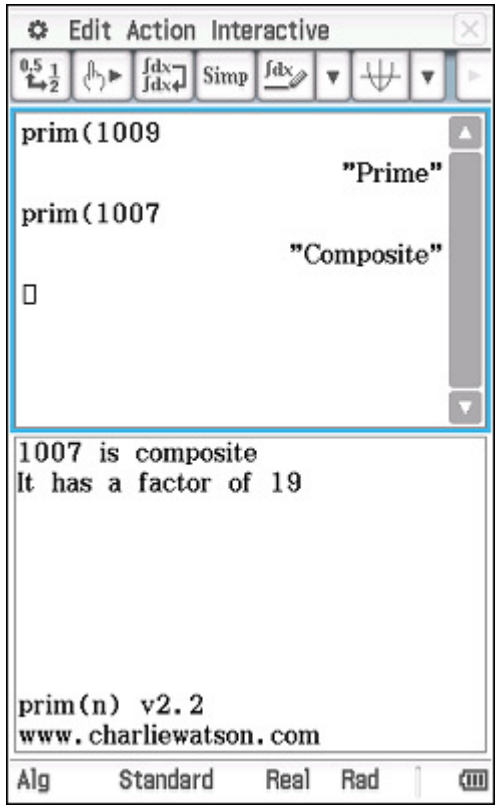
Is n prime: prim checks to see whether any number **n** is prime.

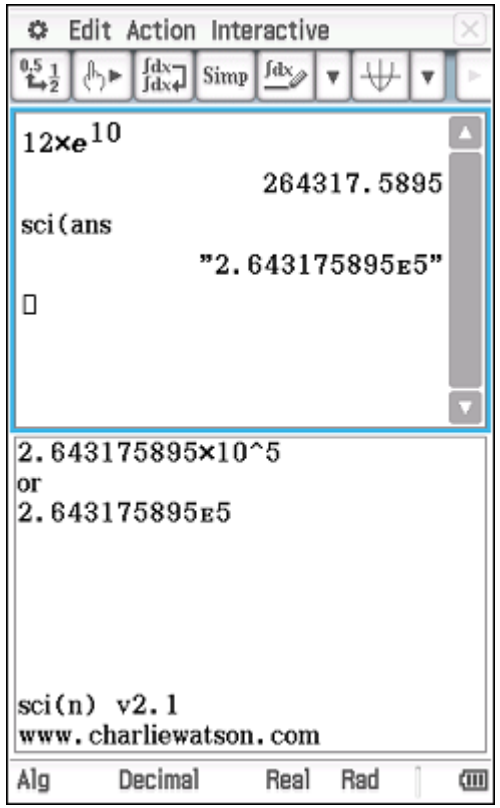
In Main enter **prim(n)**, where **n** is the number you want to check.

Note: Classpad has the IsPrime function, which returns TRUE or FALSE.



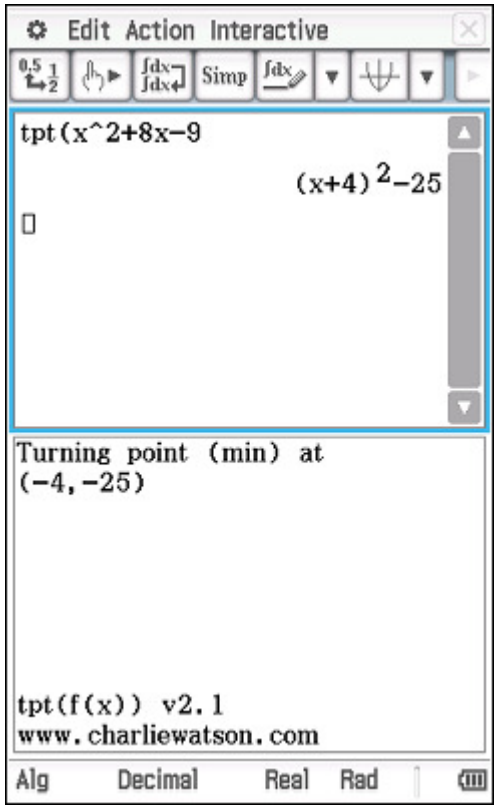
Scientific Notation: sci takes any number **n** and returns it in scientific notation (standard form).

In Main enter **sci(n)**.



Turning point: tpt takes a quadratic expression in any form and returns it in turning point (completed square) form.

In Main enter **tpt(expression)**, where expression is the quadratic you want to find the turning point of.



To close the lower window, either Resize the top window or tap into the bottom window and tap ⊠.