

Classpad Help Series sponsored by Casio Education Australia		www.casioed.net.au	
880	Explicit from recursive formula	Author	Charlie Watson
		Date	10 March 2011
		CPM OS	03.05.0000


Open the Sequence application.

Tap **Edit, Clear All, OK**.

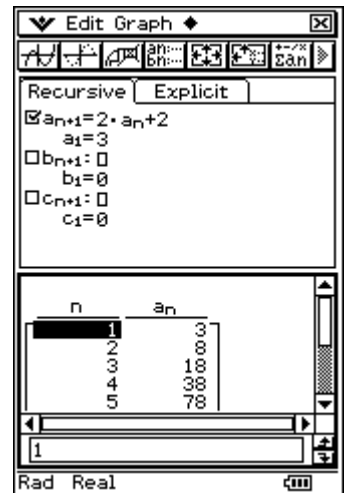
Example: Find the general (explicit) formula for the sequence given by

$$T_{n+1} = 2T_n + 2, T_1 = 3$$

Tap **Type** and choose the 2nd type.

Enter the recursive formula as shown and then tap .

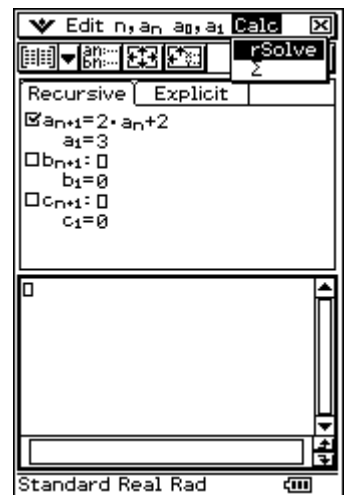
The first few terms are 3, 8, 18, 38, 78, ...



Tap back into the top editor window.

Tap  to open the Sequence RUN window.

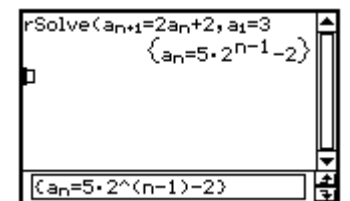
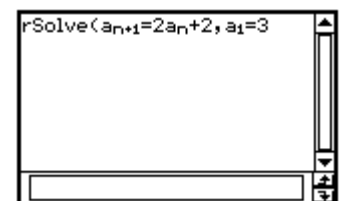
Tap **Calc, rSolve**.



Now use the n, a_n and a_0, a_1 menus to create the recursive formula as shown.

Tap **EXE**.

The explicit formula for the sequence is returned.



Note that the rSolve command is also available in the Main application.