

Open the Sequence app.

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

Tap on the **Explicit** tab.

Example: Find and graph the first twelve terms of the sequence given by

$T_n = 0.5(n^2 + n)$, the sequence of triangle numbers.



Tap **Resize**.

Enter the explicit formula in the first row and tap **EXE**.

Use Start and End to set the first term as **1** and last term as **12** and then tap **OK**.

The first twelve terms are displayed.

n	a _n E
1	1
2	3
3	6
4	10
5	15
6	21
7	28
8	36
9	45
10	55
11	66
12	78

Tap .

Tap **Zoom, Auto**.

The twelve terms are plotted and scaled to fit the window.

Tap  to close the graph window.

Tap  and choose the bottom option.

Note that the sum of two consecutive triangle numbers is a square number.

