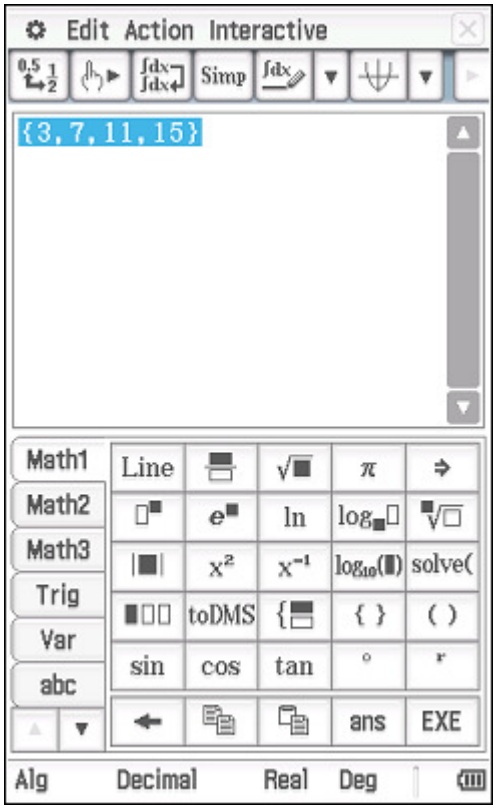
ClassPad II Help Series	Casio Education Australia - supporting Australian teachers	www.casio.edu.shriro.com.au	Author	Charlie Watson
CP041	Sequence: What Is My Rule		Date	April 2015
			CPII OS	02.00.2000.0000

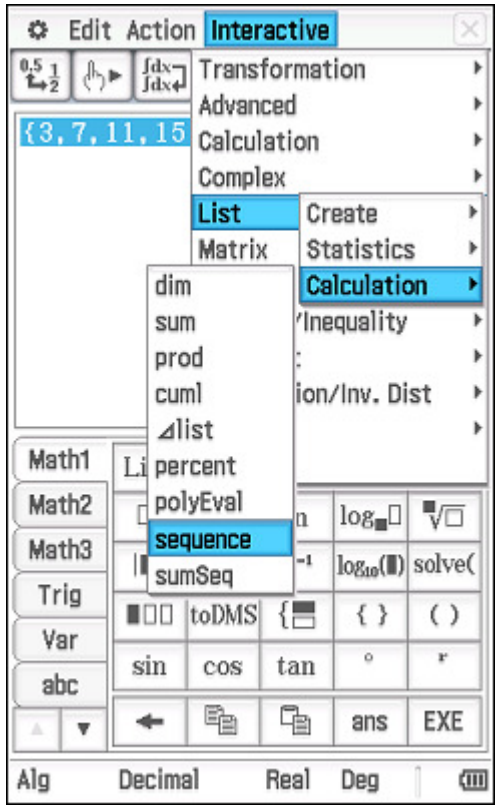
A. Find an expression for the nth term of the following sequence.

3, 7, 11, 15, …

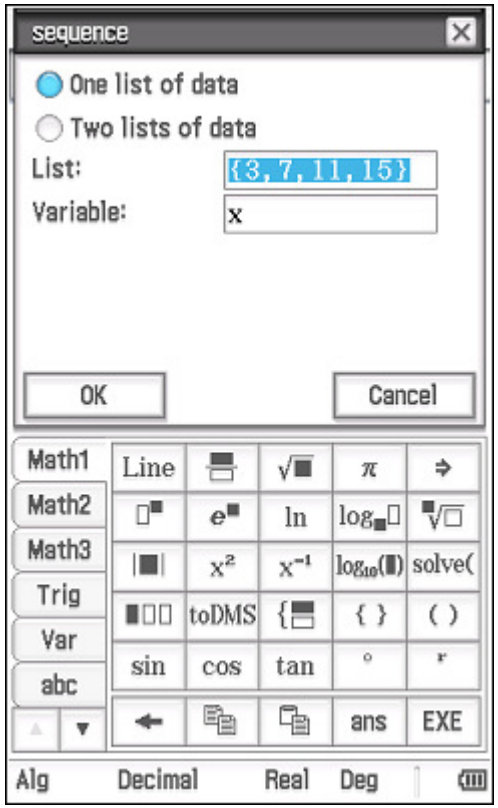
Use the curly braces { } from the **Math1** to enter the sequence, and then select the list.



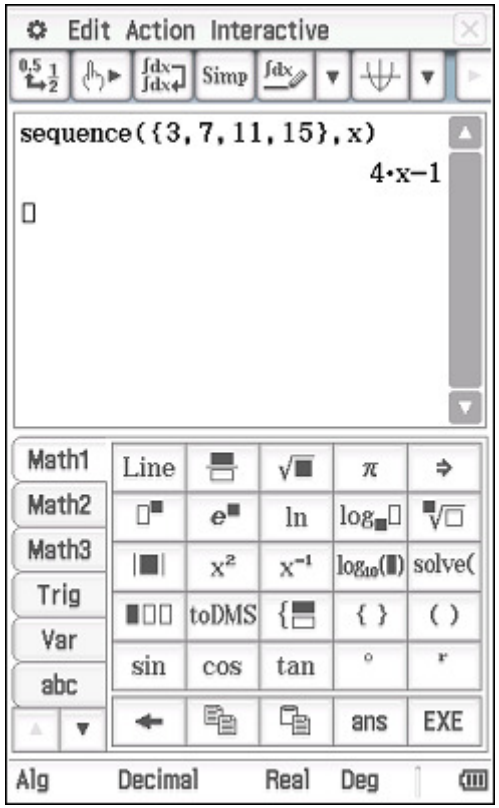
Tap **Interactive**, **List, Calculation**, **sequence**.



If required, edit the variable and then tap OK.



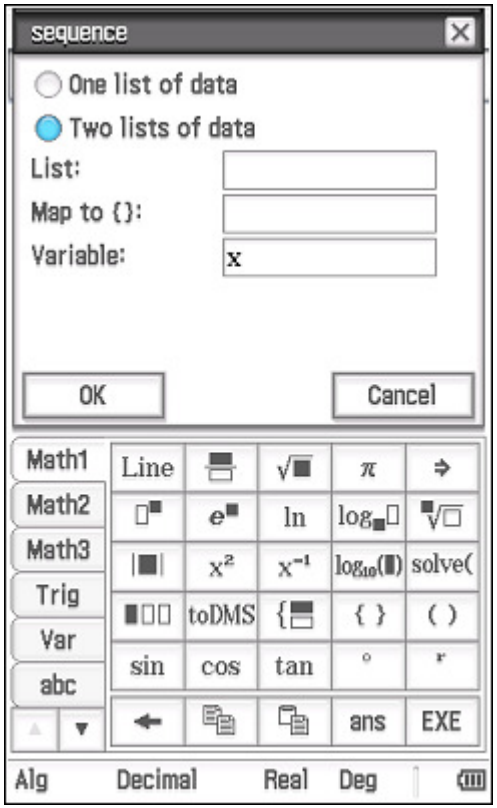
The rule for this sequence is displayed.



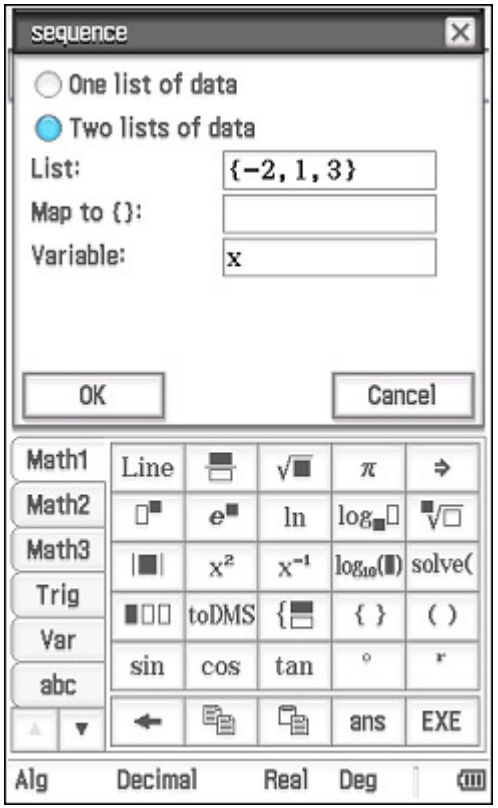
B. Find the equation for the parabola that passes through the points (-2, 3), (1, 0) and (3, 18).

Tap **Interactive**, **List**, **Calculation**, **sequence**.

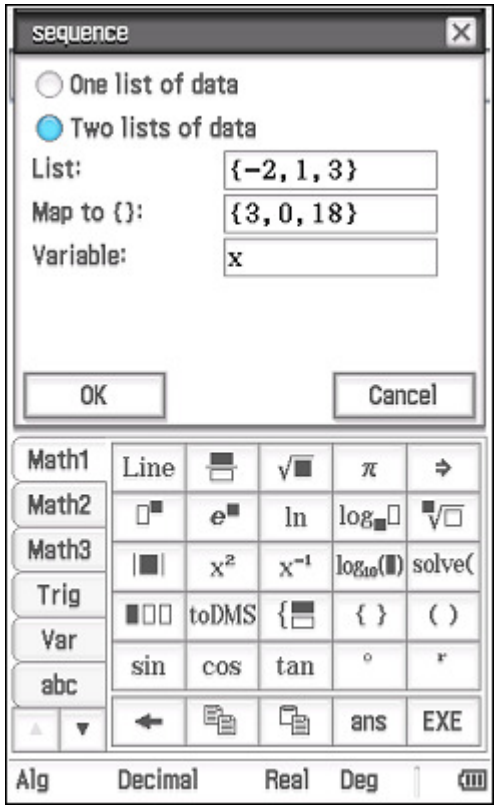
Tap the radio button next to '**Two lists of data**'.



In the top box enter the *x*-coordinates as a list surrounded by curly braces.



Repeat for the y-coordinates in the Map to { }: box.



*NB: The **sequence** command will find the lowest order polynomial to fit a sequence of points.*