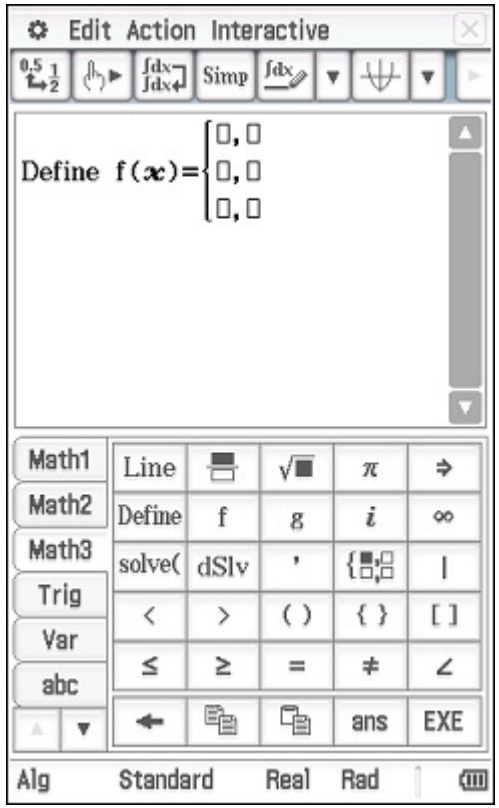
ClassPad II Help Series	Casio Education Australia - supporting Australian teachers	www.casio.edu.shriro.com.au	Author	Charlie Watson
CP046	Piecewise Defined Functions		Date	January 2015
			CPII OS	02.00.2000.0000

Navigate in Main to the **Math3** tab.

Tap Define, enter f(x)=.

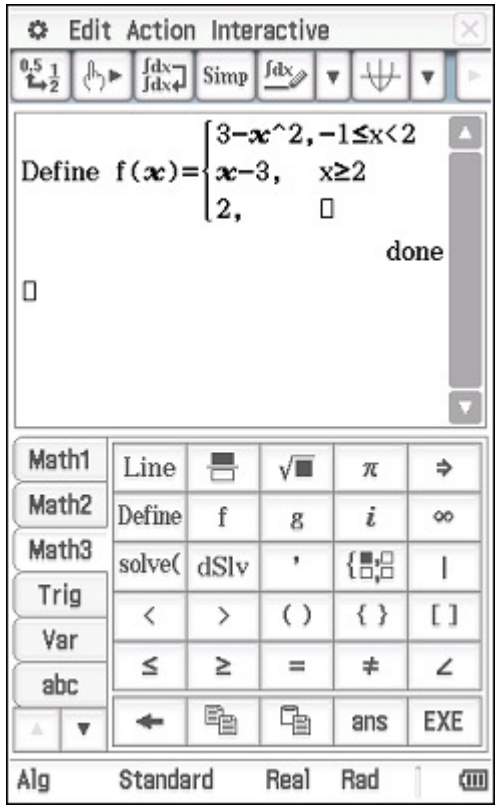
Tap twice on the {■,□} icon to create three empty rows.



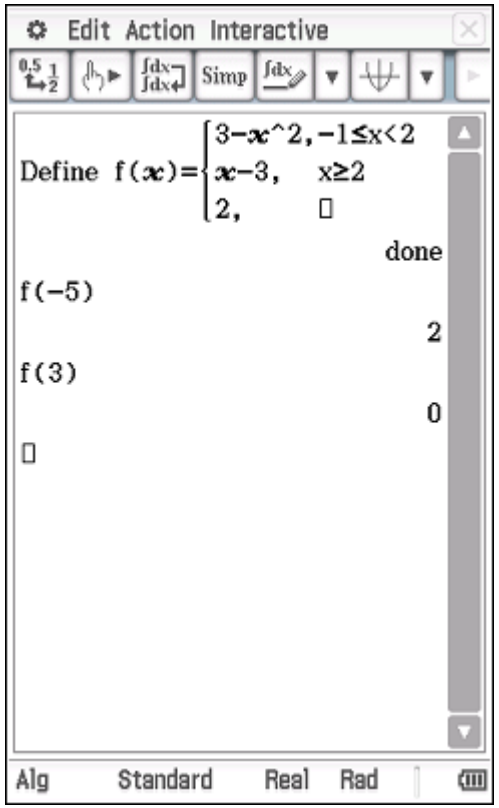
Enter the function as shown.

$$f(x) = \begin{cases} 3 - x^2 & -1 \le x < 2 \\ x - 3 & x \ge 2 \\ 2 & \textit{Elsewhere} \end{cases}$$

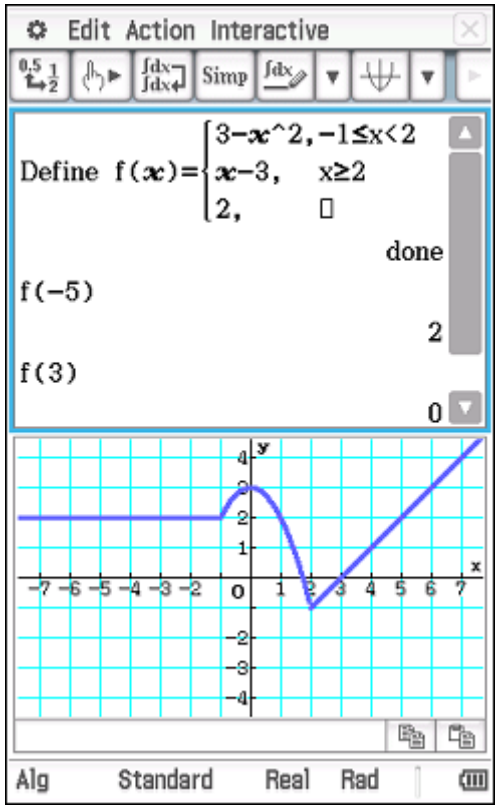
Note that we leave the third condition box empty to allow for 'elsewhere'.



Substitution shows the function is behaving as expected.



To graph the function simply open a graph window and drag in $f(x)$.



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An alternative is to use the graph and table application and enter Y1= $f(x)$.

Piecewise functions can be traced along, integrated over boundaries and so on, either in Main or Graph. This is very useful for some probability functions.