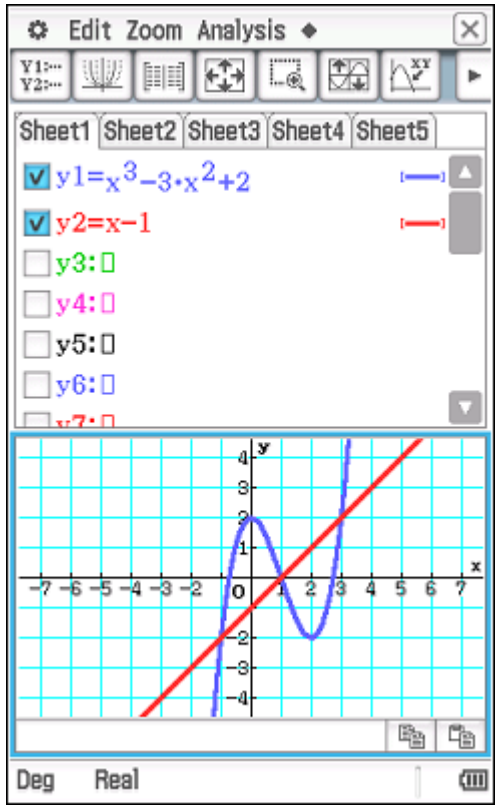
ClassPad II Help Series	Casio Education Australia - supporting Australian teachers	www.casio.edu.shriro.com.au	Author	Charlie Watson
CP349	Area Trapped Between Graphs		Date	April 2015
			CPII OS	02.00.2000.0000

Start in Graph and Table.

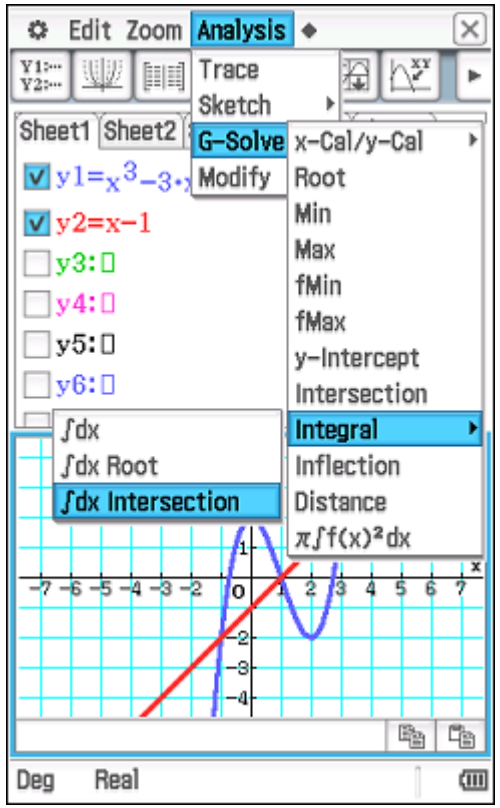
Evaluate the area trapped between the graphs of $y = x^3 - 3x^2 + 2$ and $y = x - 1$

Enter the functions into **y1** and **y2**.

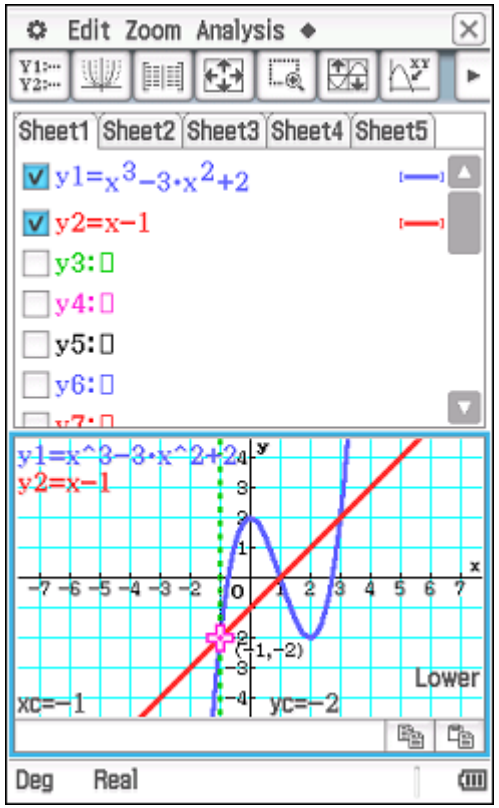
Tap  and then **Zoom, Initialise**.



Tap **Analysis, G-Solve, Integral, ∫dx Intersection.**



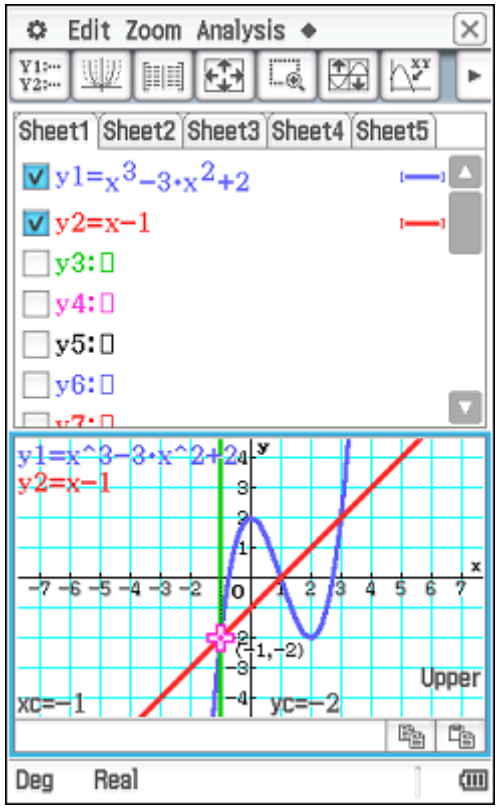
The cursor appears at the left hand most intersection of the functions and the prompt for the Lower bound appears in the bottom right hand corner of the screen.



Select this point by tapping EXE.

ClassPad is now asking for the Upper point of intersection.

Tap the right cursor key.



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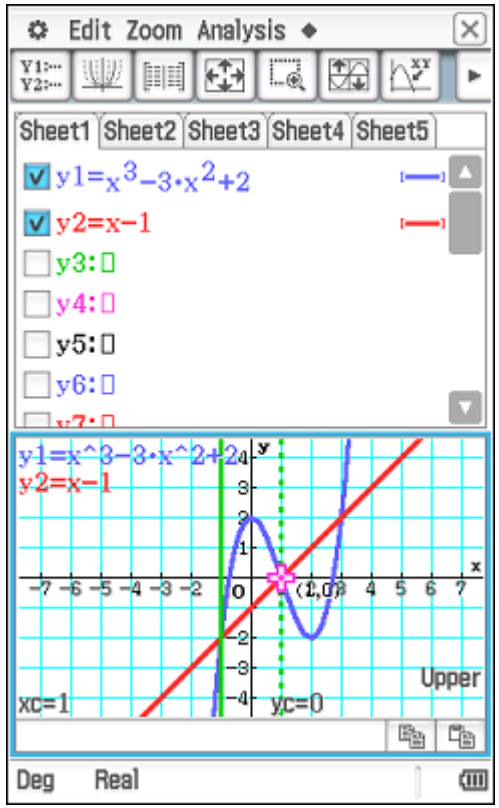
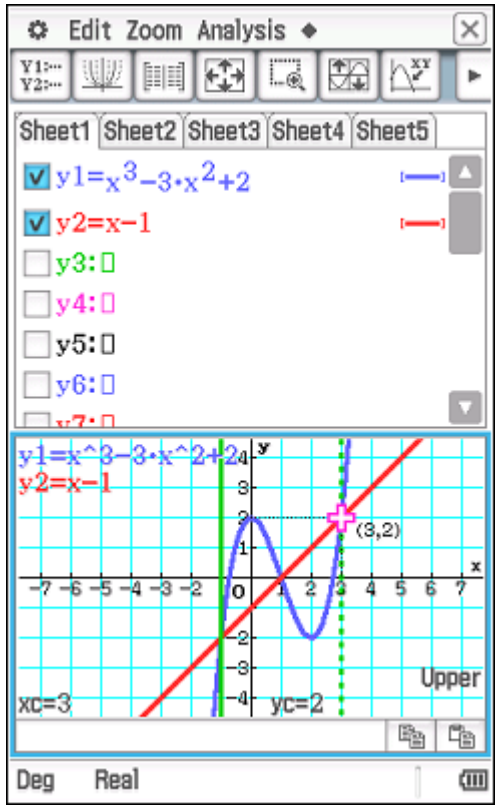
The cursor jumps to the next point of intersection of the functions.



We require the next point, so tap right again.

Tap EXE to select this root.



The trapped area is shaded.

The value of the integral (close to zero) and the value of the area (8) can both be seen at the bottom of the screen.