CP348

Evaluate the area trapped by the x-axis and $y = x^3 - 3x^2 - x + 3$.

Enter the function into y1.

Start in Graph and Table.

and then Zoom. Initialise.

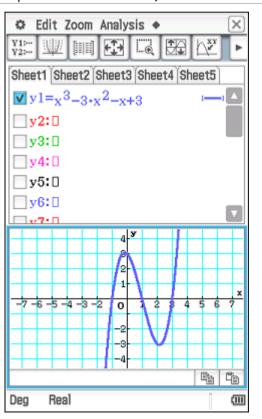
Tap Analysis, G-Solve, Integral, $\int dx$ Root

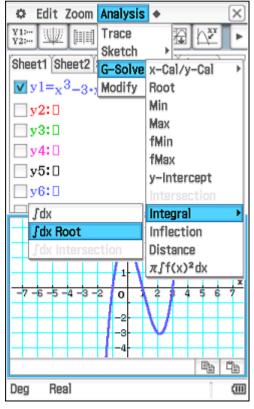
The cursor appears at the left hand most root of the function and the prompt for the Lower bound appears in the bottom right hand corner of the screen.

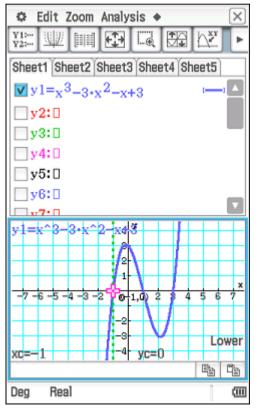
Select this root by tapping EXE.

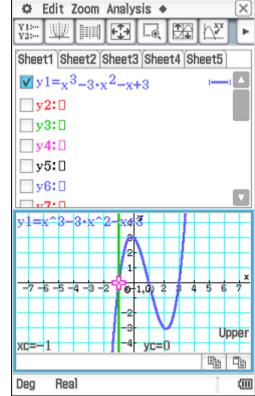
CPII OS

ClassPad is now asking for the Upper root. Tap the right cursor key.







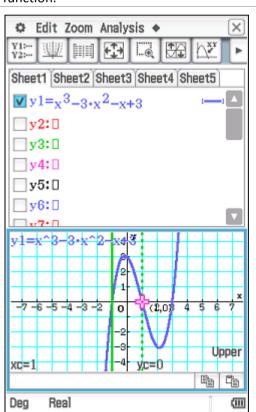


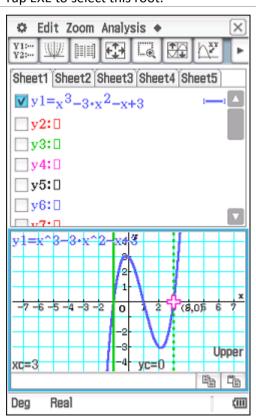
ClassPad II Help Series	Casio Education Australia - supporting Australian teachers	www.casio.edu.shriro.com.au	Author	Charlie Watson
CP348	Area Trapped Between Roots of Graph	Date	April 2015	
CF 346			CPII OS	02.00.2000.0000

We require the next root, so tap right again.

Tap EXE to select this root.

The cursor jumps to the next root of the function.





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.

