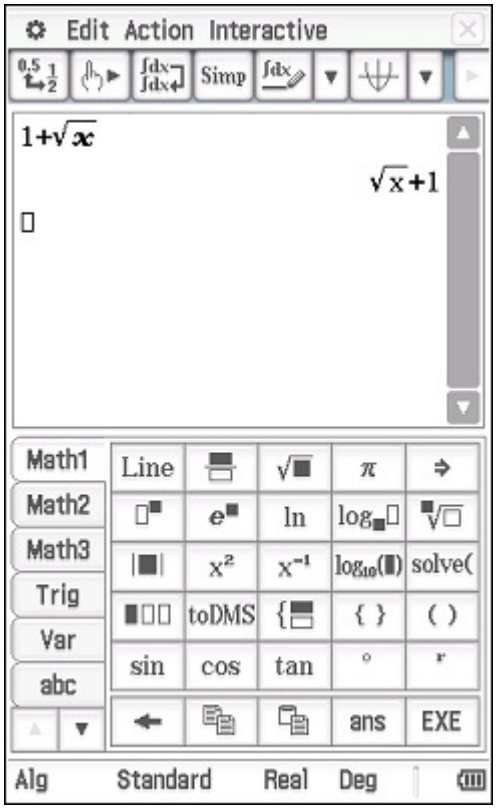
ClassPad II Help Series	Casio Education Australia - supporting Australian teachers	www.casio.edu.shriro.com.au	Author	Charlie Watson
CP170	Volume Of Revolution		Date	April 2015
			CPII OS	02.00.2000.0000

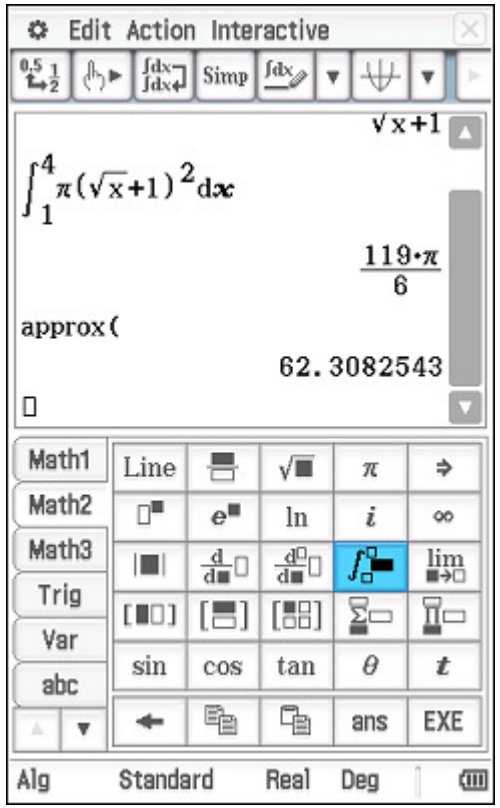
Find the volume of revolution when $1+\sqrt{x}$ is rotated about the x-axis between $1 \le x \le 4$.

Enter the function and tap **EXE**.

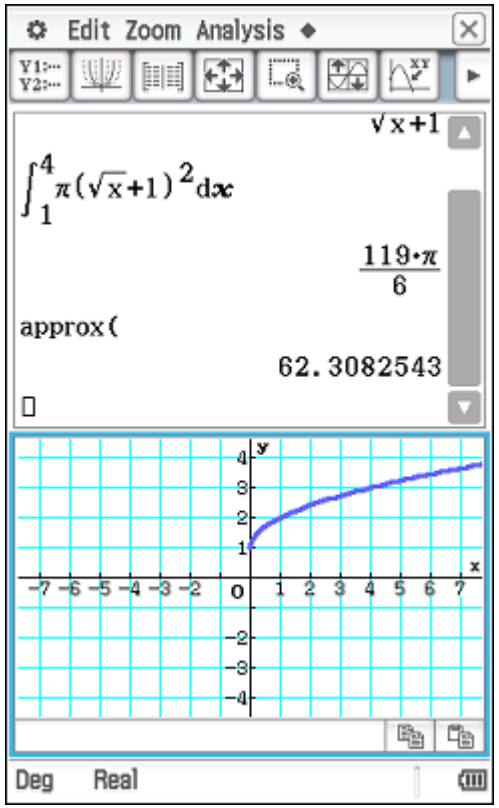


Next set up and evaluate the volume integral in Main.

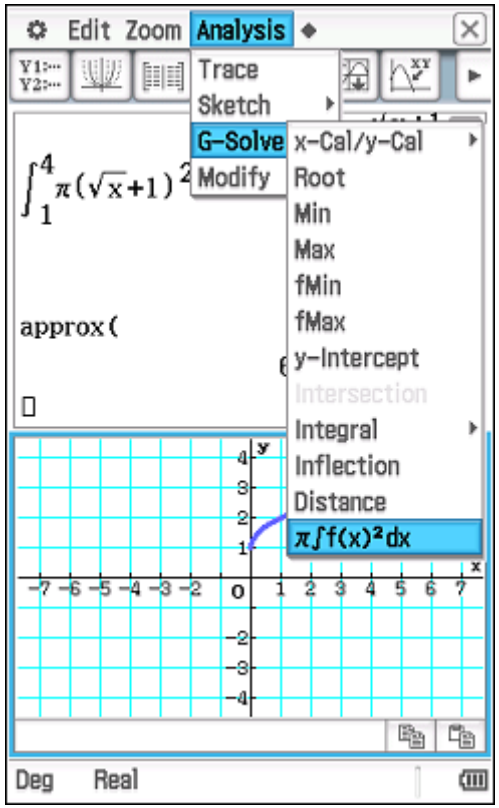
Exact and approximate values have been evaluated.



Open a graph window, select the function and drag into the graph window, adjusting the scale if necessary.



Tap Analysis, G-Solve, $\pi\int f(x)^2 dx$.



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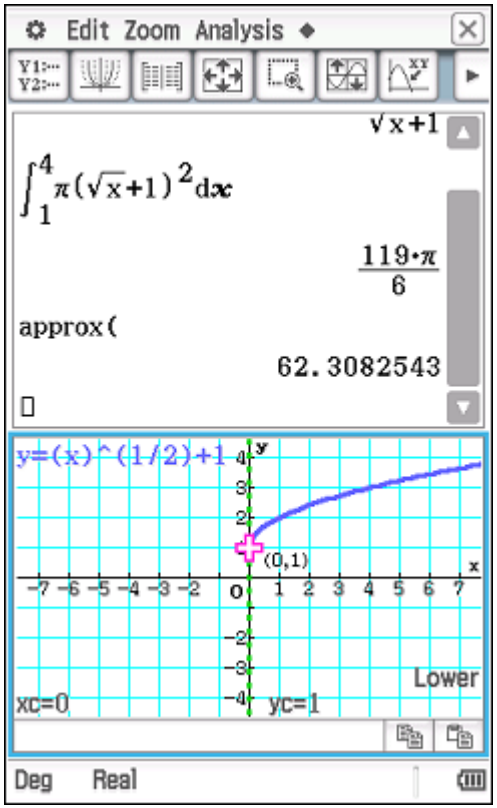
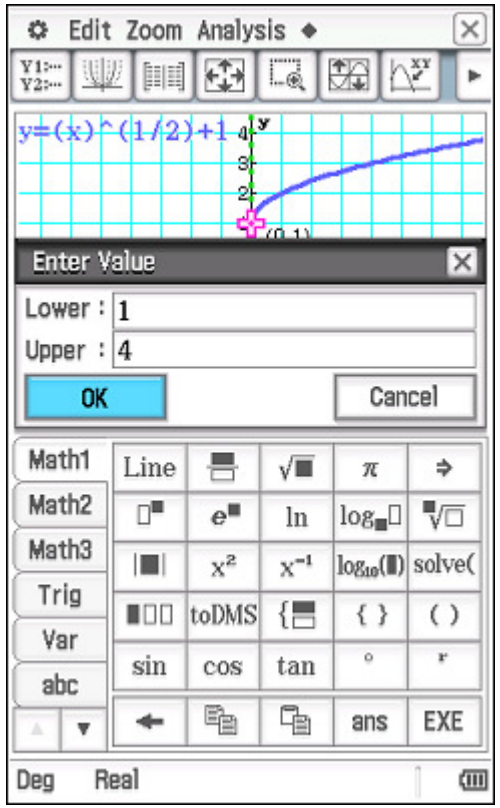
ClassPad is waiting for the lower bound of the volume of revolution.

Press the **1** key.

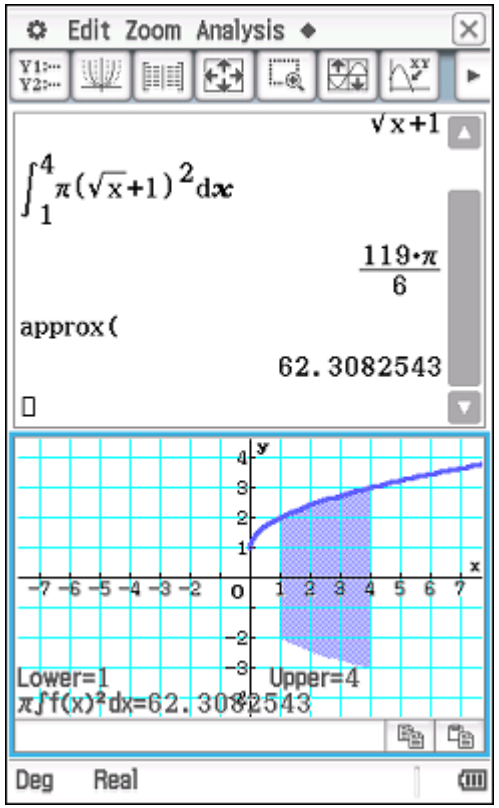


A window opens.

Complete the entries for the Lower and Upper limits for the volume of revolution and tap **OK**.



The volume of revolution is displayed graphically and a volume is shown at the bottom of the screen.



Tap on the volume to place it into the information bar.