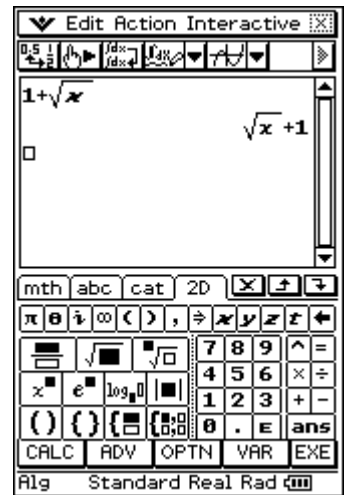


<b>Classpad Help Series sponsored by Casio Education Australia</b>		<b>www.casioed.net.au</b>	
<b>170</b>	<b>Volume Of Revolution</b>	Author	Charlie Watson
		Date	31 January 2010
		CPM OS	<b>03.04.4000</b>

Start in Main.

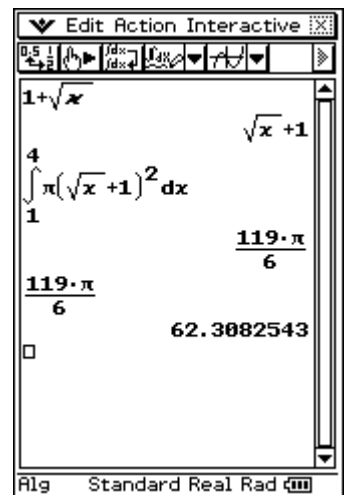
Find the volume of revolution when  $1 + \sqrt{x}$  is rotated about the x-axis between  $1 \leq x \leq 4$ .

Enter the function and tap **EXE**.



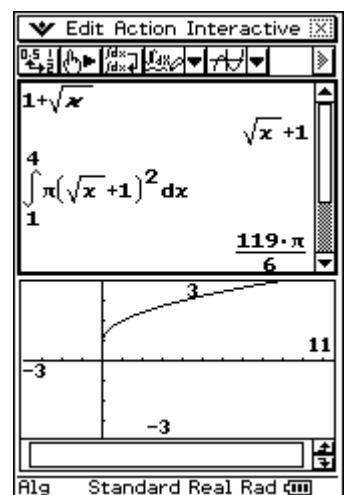
Next set up and evaluate the volume integral in Main.

Exact and approximate values have been evaluated.

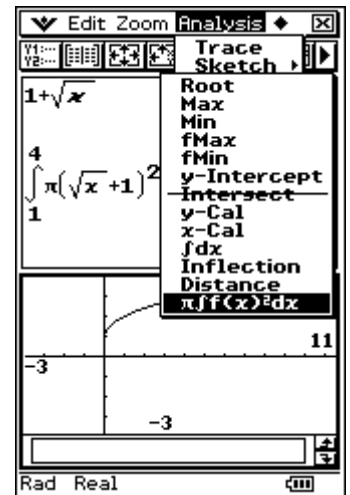


Now open a graph window.

Select the function and drag into the graph window, adjusting the scale using **Zoom** where necessary.



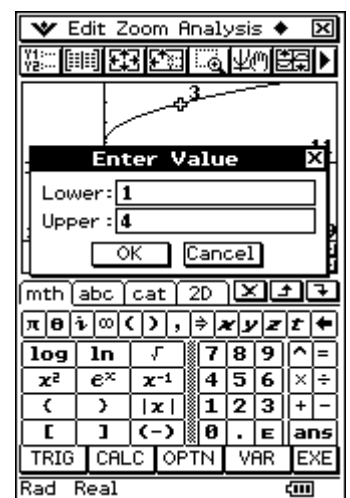
Tap Analysis, G-Solve,  $\pi \int f(x)^2 dx$ .



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 is displayed graphically and a value is returned in the information bar at the bottom of the screen.

