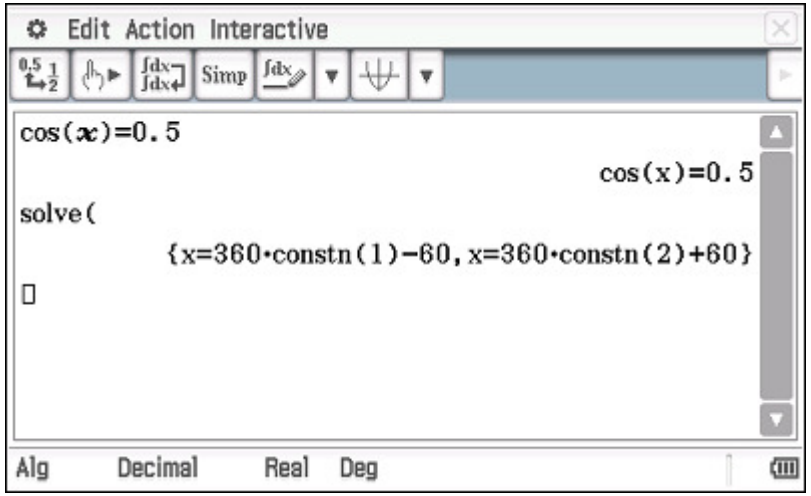
ClassPad II Help Series	Casio Education Australia - supporting Australian teachers	www.casio.edu.shriro.com.au	Author	Charlie Watson
CP240	Restrict Range Of Solutions With Trig Equations		Date	April 2015
			CPII OS	02.00.2000.0000

When solving trigonometric equations using Solve in Main, Classpad tends to return a general solution, as shown at right.

The equation to solve is $\cos(x) = 0.5$.

There are a couple of methods to return all solutions within a given range, such as $0° \le x \le 360°$.

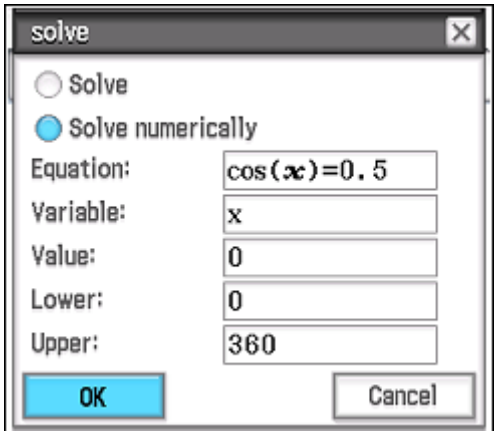


Method 1 – solve numerically.

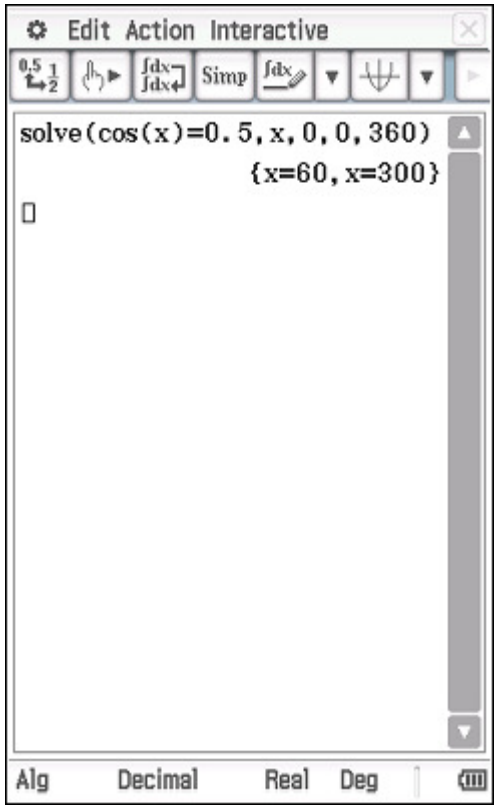
Use **Interactive, Advanced, solve** and choose the **Solve numerically** option.

Set the **Lower** and **Upper** as required and tap **OK**.

A warning appears. Tap **OK**.



Two solutions are returned within the specified range.



Method 2 – add a restriction on x to the equation.

Tap **solve** from the keyboard and then enter the equation $\cos(x) = 0.5$.

Add the restriction after the equation and tap EXE.

Two solutions are returned within the specified range.

Note that the restriction can also be added outside the solve command.