

Classpad Help Series sponsored by Casio Education Australia		www.casioed.net.au	
911	Using NumSolve	Author	Charlie Watson
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		CPM OS	03.03.3000


The NumSolve application is useful for solving equations with several variables when we only expect a single solution.

In this example we will use the simple interest formula to solve some problems.

Open the NumSolve application from the Main Menu.




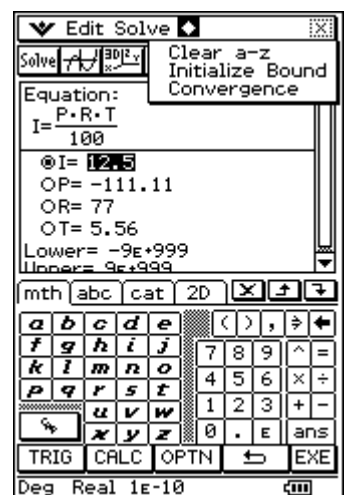
Open the keyboard and from the mth tab tap on the VAR option to enable the single letter variable menu.

Tap the  button, enter the formula  $I=PRT/100$  and then tap EXE.


Warning – it is strongly recommended that the abc tab is NEVER used for variable entry unless you understand and want to use multiple letter variables.

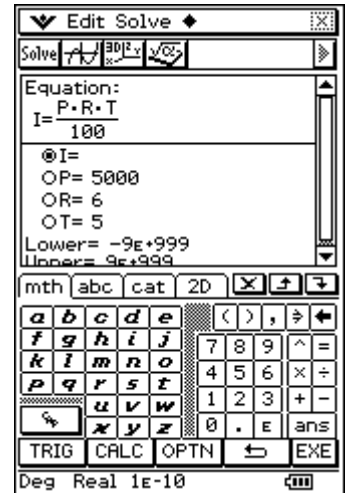


Sometimes the variables in your formula will already have values assigned to them as seen at left. A quick way to delete them all is to tap on , the diamond to the right of Solve, and chose the Clear a-z option.



Example: Find the simple interest which will accumulate on a principle of \$5000 invested for 5 years at a rate of 6%pa.


Enter the known values against the appropriate variables, tap onto the radio button of the unknown  $I$  and then tap the  icon.

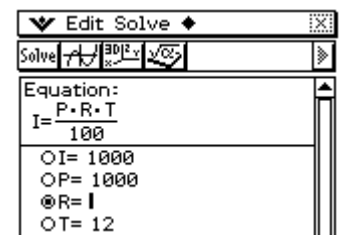


The solution of \$1500 for the unknown is displayed in a window and also against the variable  $I$  once OK has been clicked.



Example: What rate of simple interest is needed to double the value of a \$1000 principal over a time of 12 years?

Clear the existing values as above, enter the known values against the appropriate variables, tap onto the radio button of the unknown  $R$  and then tap the  icon.



The solution of 8.33% is displayed.

