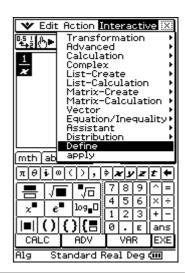
## Example (i)

Let 
$$f(x) = \frac{1}{x}$$
. Find  $f(5)$  and x such that  $f(x) = 0.25$ .

Enter the expression  $\frac{1}{x}$  and drag across to select it.

Tap Interactive, Define.



Tap into the Variable/s box and enter **x**.

Tap into the Func name box, tap the **abc** tab and enter **f**.

Tap **OK** and f(x) has been defined.



Enter f(5) and tap **EXE**.

Enter f(x) = 0.25 and drag across to select.

Tap Interactive, Equation/Inequality, solve. Tap OK.

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Note that any attempt to use the variable 'f' now produces an error.

Entering f(x) returns the function.

## ERROR! × Incorrect Argument OK

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## Example (ii)

Create a function called Ckm2ms to convert speeds from kilometres per hour to metres per second.

Start in Main and Clear All. Tap Interactive, Define.

Use the **abc** tab to enter the 'Func name' as Ckh2ms.

Enter the 'Variable/s' as *n*.

Enter the conversion expression as 10n/36.

Tap (Keyboard), tap the cat tab and under Form choose User.

All User Defined functions on your Classpad are now displayed.

Tap onto Ckh2ms( and tap INPUT.

Now add 100 to the function and tap **EXE**.

100km/h is approximately 27.8m/s.