


Working with complex numbers in the trigonometric form of  $r(\cos(\theta) + i\sin(\theta))$  can be simplified by defining the shorthand notation  $\text{cis}(\theta)$  as a user defined function.

Tap **Interactive**, **Define**, enter the function name as  $\text{cis}$  using the **abc** tab and enter expression  $\cos(x) + i\sin(x)$ .

Check the function has been set up correctly.

Convert back to Trig form with **Action**, **Complex**, **compToTrig**.

Tapping  often encourages Classpad to do better.

**Action**, **Complex**, **cExpand** is another useful tool.

Setting **cis** as a shift key is a good idea for frequent users of complex numbers.

Select Shift Keys in the System app.

