

When working with trigonometric functions in main, the choice of angle setup is important - either degrees, radians or grads.

Set the angle mode to Rad, enter $\sin(30)$ and tap EXE.

There is no exact value for the sine of 30 radians, so $\sin(30)$ is returned.

The selected setting can easily be over-ridden using the Math1 menu.

Now enter $\sin(30^\circ)$, using $^\circ$ for degrees.

This over-rides the radian setting and returns $1/2$.

Now set the angle mode to degrees.

Enter $\sin\left(\frac{\pi}{6}\right)$ and tap EXE - again, the default setting is over-ridden.

The screenshot shows the 'Edit Action Interactive' window with the expression $\sin(30)$ entered. The result $\sin(30)$ is displayed on the right. The calculator is in 'Rad' mode, as indicated by the 'Rad' button being highlighted in the mode selector at the bottom.

The screenshot shows the 'Edit Action Interactive' window with the expression $\sin(30^\circ)$ entered. The result $\frac{1}{2}$ is displayed on the right. The calculator is still in 'Rad' mode, but the degree symbol $^\circ$ is highlighted in the 'Var' menu, indicating it was used to override the mode.

The screenshot shows the 'Edit Action Interactive' window with the expression $\sin\left(\frac{\pi}{6}\right)$ entered. The result $\frac{1}{2}$ is displayed on the right. The calculator is now in 'Deg' mode, as indicated by the 'Deg' button being highlighted in the mode selector at the bottom.