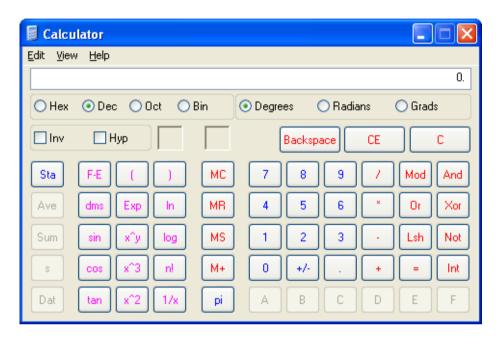
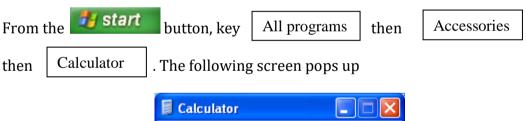
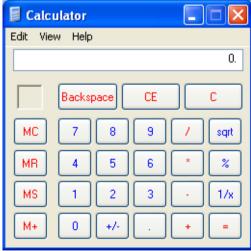
#### Standard Mathematical Functions: Windows Scientific Calculator

The standard mathematical functions are the set of functions that are typically available on scientific calculators, spreadsheets, and within computer programming languages. For example the Windows scientific calculator below has a set of standard functions, with inverse functions being available via the Inv box and hyperbolic functions available via the Hyp box.



# **Finding the Windows Scientific Calculator**





If we then click on View and switch to Scientific then the Scientific

Calculator is reached.

# Reciprocal

The reciprocal of a number x is 1/x and it can be found using the button button. For example if we key 1/x the result is 0.5.

# Factorial<sup>1</sup>

The factorial of a number can be found using the button.

For example if we key the result is 120.

### Powers and Roots<sup>2</sup>

Powers and roots of numbers can be found with the keys  $\frac{x^2}{x^3}$  and

For example to find the square of seven:  $\frac{7}{2}$  gives 49.

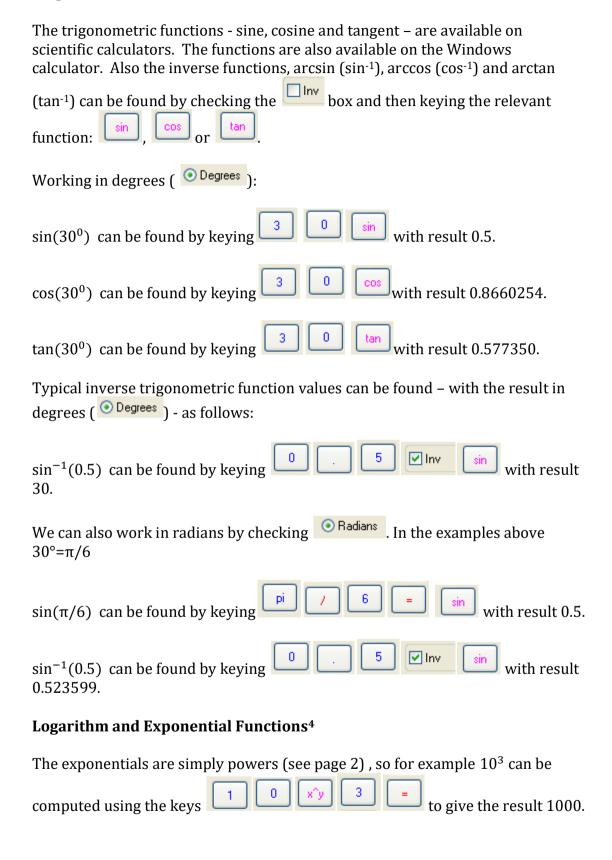
For example to find the cube of three: gives 27.

To find a higher power, for example  $2^5$ : 2 gives 32.

<sup>2</sup> Powers and Roots

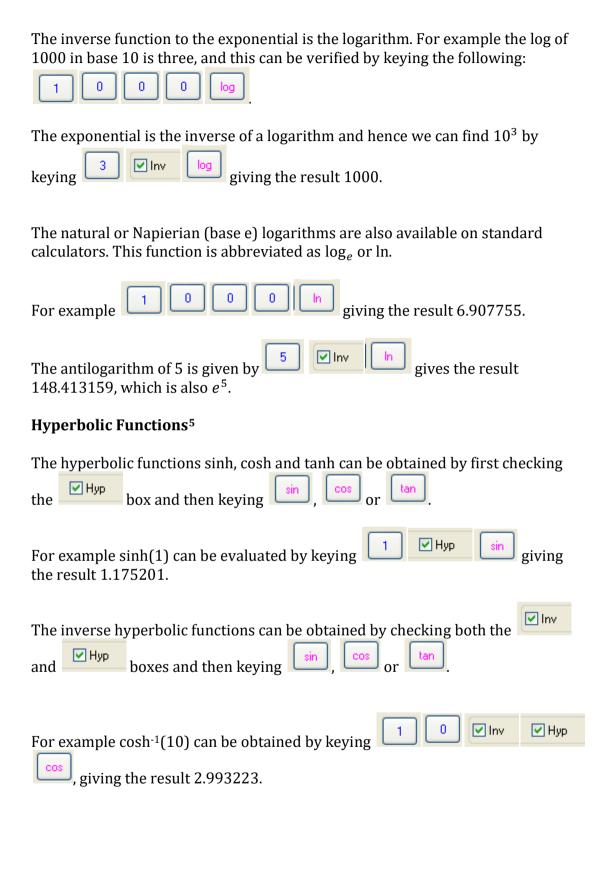
<sup>&</sup>lt;sup>1</sup> Factorial

# Trigonometric functions<sup>3</sup>



<sup>&</sup>lt;sup>3</sup> Trigonometric Functions

<sup>&</sup>lt;sup>4</sup> Logarithm and Exponential Functions



<sup>&</sup>lt;sup>5</sup> Hyperbolic Functions