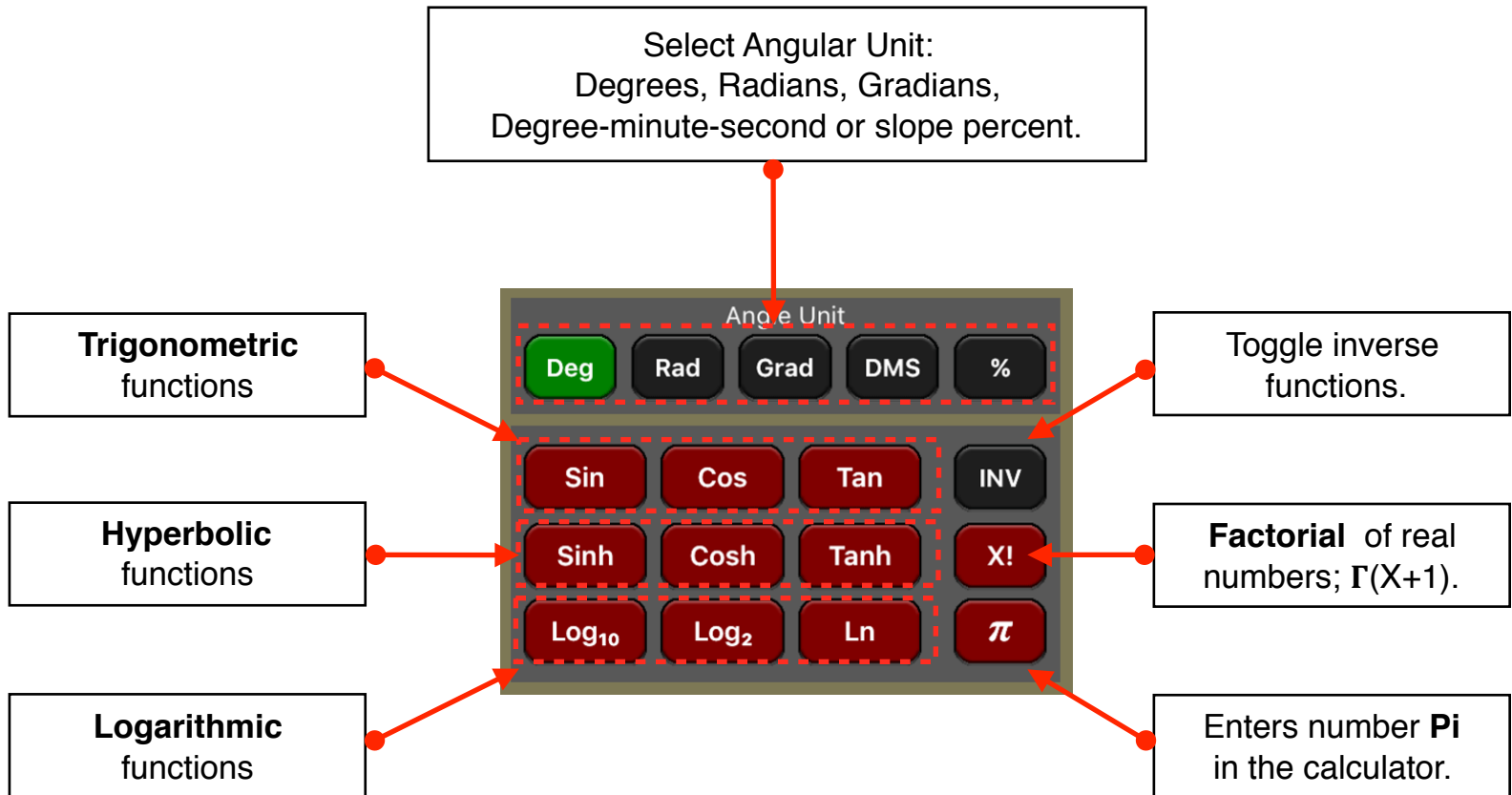


# Math Functions “Pro” Tool

This tool implements additional scientific functions to expand the original HP-12C calculator. To show it, press the **OPT** key, touch the “Scientific” menu button, and select the “Math Functions” tool.



The calculation of trigonometric functions are performed in the Angular unit selected (green) in one of the top five buttons.

The following examples assumes the “Math Functions” tool is already visible in the calculator.

Operation	Keystrokes	Display
Sine of 33.5°	“33.5” [Deg] [Sin]	0.5519
Cosine of $\pi/3$ rad	[ $\pi$ ] “3” [ $\div$ ] [Rad] [Cos]	0.5000
Tangent of 78 grad	“78” [Grad] [Tan]	2.7776
Arc-Sine of 0.7982 in rad	“0.7982” [Rad] [INV] [Sin <sup>-1</sup> ]	0.9243
Arc-Cosine of 0.2437 in grad	“0.2437” [Grad] [INV] [Cos <sup>-1</sup> ]	84.3278
Arc-Tangent of 0.4567 in °	“0.4567” [Deg] [INV] [Tan <sup>-1</sup> ]	24.5462
Hyp-Sine of 2.53	“2.53” [HYP] [Sinh]	6.2369
Hyp-Cosine of 3.52	“3.52” [HYP] [Cosh]	16.070
Hyp-Tangent of 1.58	“1.58” [HYP] [Tanh]	0.9186
Arc-Hyp-Sine of 3.57	“3.57” [INV] [HYP] [Sinh]	1.9848
Arc-Hyp-Cosine of 2.83	“2.83” [INV] [HYP] [Cosh]	1.7006
ArCHyp-Tangent of 0.46	“0.46” [INV] [HYP] [Tanh]	0.4973
Log base 10 of 2.5	“2.5” [Log <sub>10</sub> ]	0.3979
A-Log base 10 of 3.56	“3.56” [INV] [10 <sup>x</sup> ]	3,630.7805
Log base 2 of 68.0	“68” [Log <sub>2</sub> ]	6.0875
A-Log base 2 of 4.6	“4.6” [INV] [2 <sup>x</sup> ]	24.2515
Factorial of 3.5	“3.5” [X!]	11.6317