

## SunCalc Functions

The **gray** functions do not work on the CodeHS variant.

Must enter in the proper format

- N1 N2 F
- N1 F

Functions aren't case sensitive

Use **ans** to use the previous answer in an equation. And use **ans2** for when you get 2 answers while using factorial (!)

Type **esc** or **escape** to quit

Developers:

[SoneyBun](#)

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Function	Sample Input	Sample Output
+ add plus	1 2 +	$1.0 + 2.0 = 3.0$
++ increment	12 ++	$12++ = 13$
- subtract minus	10 8 -	$10.0 - 8.0 = 2.0$
-- decrement	12 --	$12-- = 11$
* multiply times mult	3 3 *	$3.0 * 3.0 = 9.0$
/ divide div	9 2 /	$9.0 / 2.0 = 4.5$
//	6 2.3 //	$6 // 2.3 = 2$
>	2 4 >	false
>=	3.5 3.5 >=	true
<	2 5 <	true
<=	2 4 <=	true
= ==	4 3 =	false
!=	6.4 6.4 !=	false
max maximum	12.9 11.9 max	12.9
min minimum	12.9 11.9 min	11.9
% mod modulus	10 2 %	$10.0 \% 2.0 = 4.5$
	-1	$ -1.0  = 1.0$
! factorial	4 !	$4.0! = 24.0$
^ exponent power exp pow	4 4 ^	$4.0^{4.0} = 16.0$
rt root	9 2 rt	$9^{(1.0/2.0)} = 3.0$

pi	3 pi	$3.0\pi = 9.42477796076938$
e	2 e	$2.0e = 5.43656365691809$
phi	7 phi	$7.0\phi = 11.326237921249264$
rnd round	16.23 rnd	16.23 rounded is 16

sin sine	10 sin	sin(10.0) = -0.5440211108893698
asin arcsine arcsin	.25 asin	asin(0.25) = 0.25268025514207865
sinh	5 sinh	sinh(5.0) = 74.20321057778875
cos cosine	10 cos	cos(10.0) = -0.8390715290764524
acos arccosine arccos	.25 acos	acos(0.25) = 1.318116071652818
cosh	5 cosh	cosh(5.0) = 74.20994852478785
tan tangent	10 tan	tan(10.0) = 0.6483608274590866
atan arctangent arctan	.25 atan	atan(0.25) = 0.24497866312686414
tanh	5 tanh	tanh(5.0) = 0.9999092042625951
ln	21 ln	ln(21.0) = 3.044522437723423
log10	4 log10	log10(4) = 0.6020599913279624