

PENGGUNAAN KALKULATOR

1. Hierarki Perhitungan & menghitung dalam satu sekuensial

Example	Operation	Display
$23 + 4.5 - 53 = -25.5$	23 + 4.5 - 53 EXE	-25.5
$56 \times (-12) \div (-2.5) = 268.8$	56 x (-) 12 ÷ (-) 2.5 EXE	268.8
$12369 \times 7532 \times 74103 =$ $6.903680613 \times 10^{12}$ (6903680613000)	12369 x 7532 x 74103 EXE	6.903680613 ¹² Exponential display ↑
$(4.5 \times 10^{75}) \times (-2.3 \times 10^{-79}) =$ -1.035×10^{-3} (-0.001035)	4.5 EXP 75 x (-) 2.3 EXP (-) 79 EXE	1.035 ⁻⁰³
$(1 \times 10^5) \div 7 = 14285.71429$	1 EXP 5 ÷ 7 EXE	14285.71429
$(1 \times 10^5) \div 7 - 14285 = 0.7142857$	1 EXP 5 ÷ 7 - 14285 EXE	0.7142857
$3 + 5 \times 6 = 33$	3 + 5 x 6 EXE	33.
$7 \times 8 - 4 \times 5 = 36$	7 x 8 - 4 x 5 EXE	36.
$1 + 2 - 3 \times 4 \div 5 + 6 = 6.6$	1 + 2 - 3 x 4 ÷ 5 + 6 EXE	6.6

Example	Operation	Display
$100 - (2 + 3) \times 4 = 80$	100 - (2 + 3) x 4 EXE	80.
$2 + 3 \times (4 + 5) = 29$	2 + 3 x (4 + 5) EXE	29.
*You may omit closed parentheses which come immediately before the EXE key (no matter how many are required).		
$(7 - 2) \times (8 + 5) = 65$	(7 - 2) x (8 + 5) EXE	65.
*You may also omit x for the multiplication operation immediately before an open parentheses.		
$10 - 2 + 7 \times (3 + 6) = -55$	10 - (2 + 7 x (3 + 6)) EXE	-55.
*For the sake of clarity, all closed parentheses and x key operations are shown in this manual, whether they are required or not.		
$\frac{2 \times 3 + 4}{5} = (2 \times 3 + 4) \div 5 = 2$	(2 x 3 + 4) ÷ 5 EXE	2.
$\frac{5 \times 6 + 6 \times 8}{15 \times 4 + 12 \times 3} = 0.8125$	(5 x 6 + 6 x 8) ÷ (15 x 4 + 12 x 3) EXE	0.8125
$(1.2 \times 10^{19}) - \{ (2.5 \times 10^{20}) \times \frac{3}{100} \} = 4.5 \times 10^{18}$	1.2 EXP 19 - (2.5 EXP 20 x 3 ÷ 100) EXE	4.5 ¹⁸
$\frac{6}{4 \times 5} = 0.3$	6 ÷ (4 x 5) EXE	0.3
*The above is the same as 6 ÷ 4 ÷ 5 EXE .		

Example 1

$3 \times 4 = 12$, continuing with $\div 3.14$

3 **x** 4 **EXE**

(followed by) **÷** 3.14

EXE

12.
12. / 3.14
3.821656051

Example 2

Compare: $1 \div 3 \times 3$

$1 \div 3$, followed by $\times 3$

1 **÷** 3 **x** 3 **EXE**

1 **÷** 3 **EXE**

(followed by) **x** 3 **EXE**

1.
0.3333333333
0.9999999999

2. Menggunakan Ans

$\boxed{1} \boxed{2} \boxed{3} \boxed{+} \boxed{4} \boxed{5} \boxed{6} \boxed{EXE}$
 $\boxed{7} \boxed{8} \boxed{9} \boxed{-} \boxed{SHIFT} \boxed{Ans}$
 \boxed{EXE}

579
789 - Ans
210

$2 \times Ans$ $\boxed{2} \boxed{SHIFT} \boxed{Ans}$
 $Ans \times (5 + 3)$ $\boxed{SHIFT} \boxed{Ans} \boxed{5} \boxed{+} \boxed{3} \boxed{)}$

3. Jumlah angka desimal

4. Angular Measurement: DEGREE, RADIAN, GRADIEN

Example	Operation	Display
4.25 radians to degrees	$\boxed{MODE} \boxed{4} \boxed{EXE} \rightarrow "D"$ $4.25 \boxed{SHIFT} \boxed{MODE} \boxed{5} \boxed{EXE}$	243.5070629
1.23 grads to radians	$\boxed{MODE} \boxed{5} \boxed{EXE} \rightarrow "R"$ $1.23 \boxed{SHIFT} \boxed{MODE} \boxed{6} \boxed{EXE}$	0.019320794
7.89 degrees to grads	$\boxed{MODE} \boxed{6} \boxed{EXE} \rightarrow "G"$ $7.89 \boxed{SHIFT} \boxed{MODE} \boxed{4} \boxed{EXE}$	8.766666667
Result in degrees	$\boxed{MODE} \boxed{4} \boxed{EXE} \rightarrow "D"$	
$47.3^\circ + 82.5 \text{rad} = 4774.20181$	$47.3 \boxed{+} 82.5 \boxed{SHIFT} \boxed{MODE} \boxed{5} \boxed{EXE}$	4774.20181
$12.4^\circ + 8.3 \text{rad} = 1.8 \text{gra} = 486.33497$	$12.4 \boxed{+} 8.3 \boxed{SHIFT} \boxed{MODE} \boxed{5} \boxed{-}$ $1.8 \boxed{SHIFT} \boxed{MODE} \boxed{6} \boxed{EXE}$	486.33497

Example	Operation	Display
Result in radians		
$24^\circ 6' 31'' + 85.34 \text{rad} = 85.76077464$	$\boxed{MODE} \boxed{5} \boxed{EXE} \rightarrow "R"$ $24 \boxed{+} 6 \boxed{+} 31 \boxed{SHIFT}$ $\boxed{MODE} \boxed{4} \boxed{+} 85.34 \boxed{EXE}$	85.76077464
Result in grads	$\boxed{MODE} \boxed{6} \boxed{EXE} \rightarrow "G"$	
$36.9^\circ + 41.2 \text{rad} = 2663.873462$	$36.9 \boxed{SHIFT} \boxed{MODE} \boxed{4} \boxed{+} 41.2 \boxed{SHIFT} \boxed{MODE}$ $\boxed{5} \boxed{EXE}$	2663.873462

5. Fungsi Trigonometri

Example	Operation	Display
$\sin 63^\circ 52' 41'' = 0.897859012$	$\boxed{MODE} \boxed{4} \boxed{EXE} \rightarrow "D"$ $\boxed{SIN} \boxed{63} \boxed{+} \boxed{52} \boxed{+} \boxed{41} \boxed{SHIFT} \boxed{EXE}$	0.897859012
$\cos\left(\frac{\pi}{3} \text{rad}\right) = 0.5$	$\boxed{MODE} \boxed{5} \boxed{EXE} \rightarrow "R"$ $\boxed{COS} \boxed{2} \boxed{SHIFT} \boxed{\pi} \boxed{3} \boxed{SHIFT} \boxed{EXE}$	0.5
$\tan(-35 \text{gra}) = -0.612800788$	$\boxed{MODE} \boxed{6} \boxed{EXE} \rightarrow "G"$ $\boxed{TAN} \boxed{-} \boxed{35} \boxed{EXE}$	-0.612800788
$2 \cdot \sin 45^\circ \times \cos 65^\circ = 0.597672477$	$\boxed{MODE} \boxed{4} \boxed{EXE} \rightarrow "D"$ $2 \boxed{\times} \boxed{SIN} \boxed{45} \boxed{\times} \boxed{COS} \boxed{65} \boxed{EXE}$ <small>Can be omitted.</small>	0.597672477
$\sin^{-1} 0.5 = 30^\circ$ (Find the value of x when $\sin x = 0.5$)	$\boxed{SHIFT} \boxed{SIN} \boxed{0.5} \boxed{EXE}$ <small>Can be entered as .5.</small>	30
$\cos^{-1} \frac{\sqrt{2}}{2} = 0.785398163 \text{ rad}$ $= \frac{\pi}{4} \text{ rad}$	$\boxed{MODE} \boxed{5} \boxed{EXE} \rightarrow "R"$ $\boxed{SHIFT} \boxed{COS} \boxed{2} \boxed{SHIFT} \boxed{\pi} \boxed{4} \boxed{EXE}$ $\boxed{SHIFT} \boxed{\pi} \boxed{EXE}$	0.785398163 0.249999999
$\tan^{-1} 0.741 = 36.53844577^\circ$ $= 36^\circ 32' 18.4''$	$\boxed{MODE} \boxed{4} \boxed{EXE} \rightarrow "D"$ $\boxed{SHIFT} \boxed{TAN} \boxed{0.741} \boxed{EXE}$ $\boxed{SHIFT} \boxed{+} \boxed{}$	36.53844577 36° 32' 18.4

6. Fungsi Hiperbolik

Example	Operation	Display
$\sinh 3.6 = 18.28545536$	$\text{[HYD] [SIN] 3.6 [EXE]}$	18.28545536
$\cosh 1.23 = 1.856761057$	$\text{[HYD] [COS] 1.23 [EXE]}$	1.856761057
$\tanh 2.5 = 0.986614298$	$\text{[HYD] [TAN] 2.5 [EXE]}$	0.986614298
$\cosh 1.5 - \sinh 1.5 =$ 0.22313016 $= e^{-1.5}$	$\text{[HYD] [COS] 1.5 [MATH] [SIN] 1.5 [EXE]}$ (Continuing) $\text{[MATH] [SIN] [Ans] [EXE]}$	0.22313016 -1.5
(Proof of $\cosh x \pm \sinh x = e^{\pm x}$)		
$\sinh^{-1} 30 = 4.094622224$	$\text{[HYD] [SIN]^{-1} 30 [EXE]}$	4.094622224
$\cosh^{-1} \left(\frac{20}{15}\right) = 0.795365461$	$\text{[HYD] [SIN]^{-1} [COS] (20 / 15) [EXE]}$	0.795365461
Value of x when $\tanh 4x = 0.88$ $x = \frac{\tanh^{-1} 0.88}{4} = 0.343941914$	$\text{[HYD] [SIN]^{-1} [TAN] 0.88 / 4 [EXE]}$	0.343941914
$\sinh^{-1} 2 \times \cosh^{-1} 1.5 =$ 1.389388923	$\text{[HYD] [SIN]^{-1} 2 [MATH] [COS]^{-1} 1.5 [EXE]}$	1.389388923
$\sinh^{-1} \left(\frac{2}{3}\right) + \tanh^{-1} \left(\frac{4}{5}\right) =$ 1.723757406	$\text{[HYD] [SIN]^{-1} (2 / 3) [MATH] [TAN]^{-1} (4 / 5) [EXE]}$	1.723757406

7. Fungsi Logaritma dan Eksponensial

Example	Operation	Display
$\log 1.23 (\log_{10} 1.23) =$ $8.99051111 \times 10^{-2}$	[LOG] 1.23 [EXE]	0.0899051111
$\ln 90 (\log_e 90) = 4.49980967$	[LN] 90 [EXE]	4.49980967
$\log 456 \div \ln 456 = 0.434294481$	$\text{[LOG] 456 [MATH] [LN] 456 [EXE]}$	0.434294481
$10^{1.23} = 16.98243652$ (Anti-logarithm of common logarithm 1.23)	$\text{[SHIFT] [10^x] 1.23 [EXE]}$	16.98243652
$e^{4.5} = 90.0171313$ (Anti-logarithm of natural logarithm 4.5)	$\text{[SHIFT] [e^x] 4.5 [EXE]}$	90.0171313
$10^4 \cdot e^{-4} + 1.2 \cdot 10^{2.3} = 422.5878667$	$\text{[SHIFT] [10^x] 4 [MATH] [SHIFT] [e^x] (-) 4 [MATH] 1.2 [MATH] [MATH] [SHIFT] [10^x] 2.3 [EXE]}$	422.5878667
$3^6 = 729$	[3] [x^y] 6 [EXE]	729.
$2^{11} = 2048$	$\text{[2] [x^y] 11 [EXE]}$	2048.
$5.6^{2.3} = 52.58143837$	$\text{[5.6] [x^y] 2.3 [EXE]}$	52.58143837
$\sqrt[3]{123} (= 123^{1/3}) = 1.988647795$	$\text{[123] [x^y] 1/3 [EXE]}$	1.988647795
$(78 - 23)^{-12} = 1.305111829 \times 10^{-21}$	$\text{[(78 - 23) [x^y] (-) 12 [EXE]}$	1.305111829 ⁻²¹
$2 + 3 \times 3^{\sqrt{64}} - 4 = 10$	$\text{[2] [MATH] [3] [x^y] [sqrt] 64 [MATH] [MATH] 4 [EXE]}$	10.
$2 \times 3.4^{(5+6.7)} = 3306232.001$	$\text{[2] [MATH] 3.4 [MATH] (5 + 6.7) [EXE]}$	3306232.001

8. Fungsi Scientific yang lain

Example	Operation	Display
$\sqrt{2} + \sqrt{5} = 3.65028154$	$\sqrt{\square} 2 \sqrt{\square} 5 \text{ EXE}$	3.65028154
$2^2 + 3^2 + 4^2 + 5^2 = 54$	$2 \text{ [X] } \text{[+]} 3 \text{ [X] } \text{[+]} 4 \text{ [X] } \text{[+]} 5 \text{ [X] } \text{EXE}$	54.
$\frac{1}{\frac{1}{3} - \frac{1}{4}} = 12$	$\text{[1] } \text{[3] } \text{[X] } \text{[-]} 4 \text{ [X] } \text{[1] } \text{[X] } \text{EXE}$	12.
$8! (= 1 \times 2 \times 3 \times \dots \times 8) = 40320$	$8 \text{ [X] } \text{EXE}$	40320.
$\sqrt[3]{36 \times 42 \times 49} = 42$	$\text{SHIFT} \text{[Y]} \text{[3] } 36 \text{ [X] } 42 \text{ [X] } 49 \text{ [X] } \text{EXE}$	42.
Random number generation (pseudo-random number from 0.000 to 0.999)	$\text{SHIFT} \text{[RND]} \text{EXE}$	(Ex.) 0.792
$\sqrt{13^2 - 5^2} + \sqrt{3^2 + 4^2} = 17$	$\sqrt{\square} \text{[1] } 13 \text{ [X] } \text{[-]} 5 \text{ [X] } \text{[+]} \sqrt{\square} \text{[3] } \text{[X] } \text{[+]} 4 \text{ [X] } \text{EXE}$	17.
$\sqrt{1 - \sin^2 40^\circ} = 0.766044443$ $= \cos 40^\circ$ (Proof of $\cos \theta = \sqrt{1 - \sin^2 \theta}$)	$\text{MODE} \text{[4] } \text{EXE} \rightarrow \text{[D]}$ $\sqrt{\square} \text{[1] } \text{[-]} \text{[sin] } 40 \text{ [X] } \text{[X] } \text{EXE}$ (Continuing) $\text{SHIFT} \text{[cos]} \text{SHIFT} \text{[Ans]} \text{EXE}$	0.766044443 40.
$\frac{1}{2!} + \frac{1}{4!} + \frac{1}{6!} + \frac{1}{8!} = 0.543080357$	$2 \text{ [X] } \text{[X] } \text{[+]} 4 \text{ [X] } \text{[X] } \text{[+]} 6 \text{ [X] } \text{[X] } \text{[+]} 8 \text{ [X] } \text{[X] } \text{EXE}$	0.543080357
Absolute value of common logarithm of $\frac{3}{4}$	$\text{SHIFT} \text{[abs]} \text{[log]} \text{[3] } \text{[4] } \text{EXE}$	0.124938736
$\left \log \frac{3}{4} \right = 0.124938736$		

9. Sistem Basis

Example	Operation	Display
Decimal equivalent of $2A_{16}$ and 274_{16}	$\text{Dec} \text{EXE} \rightarrow \text{[d]}$ $\text{SHIFT} \text{[H]} 2A \text{ EXE}$ $\text{SHIFT} \text{[O]} 274 \text{ EXE}$	42. d 188. d
Hexadecimal equivalent of 123_{10} and 1010_2	$\text{Hex} \text{EXE} \rightarrow \text{[h]}$ $\text{SHIFT} \text{[d]} 123 \text{ EXE}$ $\text{SHIFT} \text{[b]} 1010 \text{ EXE}$	7b. h A. h
Octal equivalent of 15_{16} and 1100_2	$\text{Oct} \text{EXE} \rightarrow \text{[o]}$ $\text{SHIFT} \text{[h]} 15 \text{ EXE}$ $\text{SHIFT} \text{[b]} 1100 \text{ EXE}$	25. o 14. o
Binary equivalent of 36_{10} and $2C3B_{16}$	$\text{Bin} \text{EXE} \rightarrow \text{[b]}$ $\text{SHIFT} \text{[d]} 36 \text{ EXE}$ $\text{SHIFT} \text{[h]} 2C \text{ EXE}$	100100. b 101100. b