

[ENTER][DATA][>][>]	STAT DEG ← DISTR
[ENTER] 2 [ENTER]	STAT DEG a_x=2 2.
[DATA][ENTER] 3 [v] 2 [v] 5 [v] 9	STAT DEG FREQ 2=9
[STATVAR][<][<][<][<]	STAT DEG ← Cp Cpk 1 - 3.417682776
[>]	STAT DEG ← P(t) Q(t) 0.0003
[>]	STAT DEG ← P(t) Q(t) 0.4997
[>]	STAT DEG ← R(t) 0.9997

[MODE] 3	CPLX DEG
7 [+] [(-) 9 [i] [+] 5 [+] 12 [i] [ENTER]	CPLX DEG Re Im ab ar 22.
[>]	CPLX DEG Re Im ab ar 3.
[>]	CPLX DEG Re Im ab ar 22.20360331
[>]	CPLX DEG Re Im ab ar 7.765166018

Example 64

$$\begin{cases} 3x+5y=5 \\ x-4y=13 \end{cases} \Rightarrow x=5, y=-2$$

Example 56

Enter data : X₁ = 3, Y₁ = 4, X₂ = 5, Y₂ = 7, set y = 6, x = 5, get x'(6) = 4.33333333, y'(5) = 7

[MODE] 1 [>]	STAT DEG 1 -VAR 2-VAR →
[ENTER][DATA][ENTER] 3 [v] 4 [v] 5 [v] 7	STAT DEG Y 2=7
[STATVAR][<][<][<][<][<][<][<]	STAT DEG ← x' y' Cax →
[ENTER] 6 [ENTER]	STAT DEG x'(6) 4.33333333
[STATVAR][<][<][<][<][<][<][<]	STAT DEG ← x' y' Cax →
[ENTER] 5 [ENTER]	STAT DEG y'(5) 7.

[MODE] 4	VLE DEG ax+by=c, dx+→
[v] 3	VLE DEG a = 3 ↑
[v] 5	VLE DEG b = 5 ↑
[v] 5	VLE DEG c = 5 ↑
[v] 1	VLE DEG d = 1 ↑
[v][(-)] 4	VLE DEG e = -4 ↑
[v] 13	VLE DEG f = 13 ↑
[v]	VLE DEG X Y 5.
[>]	VLE DEG X Y -2.

Example 57

Based on Example 54, change Y₁ = 4 as Y₁ = 9 and X₂ = 5 as X₂ = 8, then find Sx = 3.535533906

[DATA]	STAT DEG DATA-INPUT →
[ENTER][v] 9	STAT DEG Y 1=9
[v] 8	STAT DEG X 2=8
[STATVAR][>][>][>][>]	STAT DEG ← Xmin Sx X 3.535533906

Example 65

x² - 5x + 6 = 0 ⇒ x = 2 or 3

[MODE] 5	QE DEG ax ² +bx+c=0
[v] 1	QE DEG a = 1 ↑
[v][(-)] 5	QE DEG b = -5 ↑
[v] 6	QE DEG c = 6 ↑
[v]	QE DEG X1 X2 3.
[>]	QE DEG X1 X2 2.

Example 58

31₁₀ = 1 F₁₆ = 11111₂ = 37₈

[MODE] 2	Base-n d
31 [ENTER]	Base-n d31 ↑ 31 d
[dhbo]	Base-n BASE d h b → d
[ENTER]	Base-n D H B O 31 d
[>]	Base-n D H B O 1F h
[>]	Base-n D H B O 11111 b
[>]	Base-n D H B O 37 o

Example 59

4777₁₀ = 1001010101001₂

[MODE] 2 [dhbo] [ENTER] [>] [>]	Base-n D H B O b
[ENTER]	Base-n b
[dhbo] [>]	Base-n BASE d h b → b
[ENTER] 4777 [ENTER]	Base-n d4777 ↑ 10101001 1b
[↺]	Base-n d4777 ↑ 10010 2b
[↺]	Base-n d4777 ↑ 0 3b
[↺]	Base-n d4777 ↑ 0 4b

Example 60

How is 3 A₁₆ expressed as a negative? Ans: FFFFFFFC₆

[MODE] 2 [dhbo] [ENTER] [>] [>]	Base-n D H B O h
[ENTER] [NEG] 3 [A] [ENTER]	Base-n NEG h3A ↑ FFFFFFFC h

Example 61

1234₁₀ + 1E F₁₆ ÷ 24₈ = 2352₈ = 1258₁₀

[MODE] 2 [dhbo] [ENTER] [>] [>] [>]	Base-n D H B O o
[ENTER] [dhbo] [>]	Base-n BASE d h b → o
[ENTER] 1234 [+]	Base-n d1234 + o
[dhbo] [>] [>]	Base-n BASE d h b → o
[ENTER] 1 IE IF [÷]	Base-n ← 1234 + h1EF / o
[dhbo] [<]	Base-n ← o
[ENTER] 24	Base-n ← 4 + h1EF / o 24 o
[ENTER]	Base-n d1234 + h1EF / 2352 →↑ o
[dhbo] [ENTER] [>]	Base-n D H B O 1258 d

Example 62

1010₂ AND (A₁₆ OR 7₁₆) = 1010₂

[MODE] 2 [dhbo] [ENTER] [>] [>]	Base-n D H B O b
[ENTER] [dhbo] [>] [>] [ENTER] 1010 [AND] [(]	Base-n ← 1010 AND (↑ b
[dhbo] [>] [>] [ENTER] /A [OR] [dhbo] [>] [>] [ENTER] 7 [ENTER]	Base-n b1010 AND (→↑ 1010 b

Example 63

(7 - 9i) + (15 + 12i) = 22 + 3i ⇒ ab = 22.20360331, ar = 7.765166018