fx-115ES
fx-570ES
fx-991ES

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Lampiran ***Dodatek***
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Bilaga

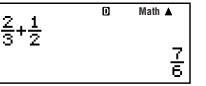
RCA502126-001V01

CASIO®

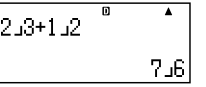
http://world.casio.com/edu/

#001

MATH [▤] [2] [▼] [3] [▶] [+]
[▤] [1] [▼] [2] [=]



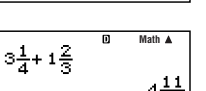
LINE [2] [▤] [3] [+] [1]
[▤] [2] [=]



#002

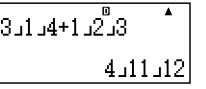
$3\frac{1}{4} + 1\frac{2}{3} = 4\frac{11}{12}$

MATH [SHIFT] [▤](■믐) [3] [▶]
[1] [▼] [4] [▶] [+]



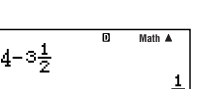
[SHIFT] [▤](■믐) [1] [▶] [2]
[▼] [3] [=]

LINE [3] [▤] [1] [▤] [4] [+]
[1] [▤] [2] [▤] [3] [=]

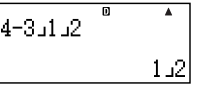


$4 - 3\frac{1}{2} = \frac{1}{2}$

MATH [4] [−] [SHIFT] [▤](■믐)
[3] [▶] [1] [▼] [2] [=]

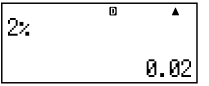


LINE
[4] [−] [3] [▤] [1] [▤] [2] [=]



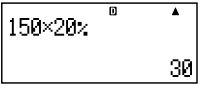
#003 **LINE**

2 SHIFT ((%) =



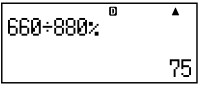
#004 **LINE**

1 5 0 × 2 0
SHIFT ((%) =



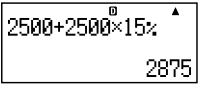
#005 **LINE**

6 6 0 ÷ 8 8 0
SHIFT ((%) =



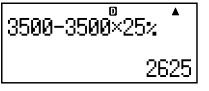
#006 **LINE**

2 5 0 0 + 2 5 0 0
× 1 5 SHIFT ((%) =



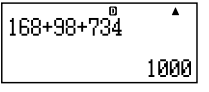
#007 **LINE**

3 5 0 0 − 3 5 0 0
× 2 5 SHIFT ((%) =

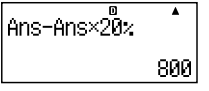


#008 **LINE**

1 6 8 + 9 8 +
7 3 4 =

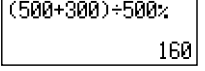


− Ans × 2 0 SHIFT ((%) =



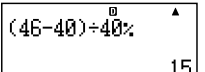
#009 LINE

(5) (0) (0) (+) (3) (0) (0) ( )
÷ (5) (0) (0) SHIFT ((%) (=)

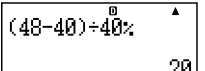


#010 LINE

((4) (6) (−) (4) (0) ( ) ÷
(4) (0) SHIFT ((%) (=)

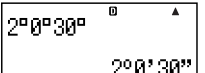


▶ ▶ ▶ ▶ DEL (8) (=)



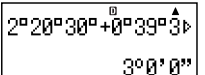
#011 LINE

(2) °‴ (0) °‴ (3) (0) °‴ (=)



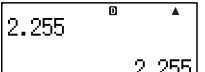
#012 LINE

(2) °‴ (2) (0) °‴ (3) (0) °‴ (+)
(0) °‴ (3) (9) °‴ (3) (0) °‴ (=)

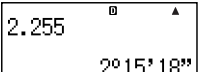


#013 LINE

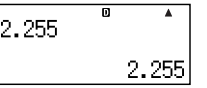
(2) (•) (2) (5) (5) (=)



°‴

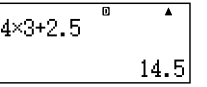


[,,,] (B)

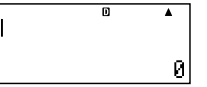


#014 **LINE** $4 \times 3 + 2.5 = 14.5$
$4 \times 3 - 7.1 = 4.9$

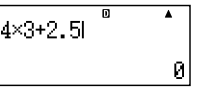
[4] [×] [3] [+] [2] [·] [5] [=]



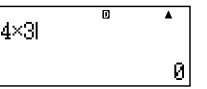
[AC]



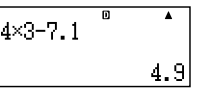
[◀]



[DEL] [DEL] [DEL] [DEL]

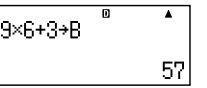


[−] [7] [·] [1] [=]

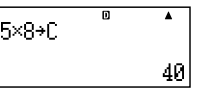


#015 **LINE** $\frac{9 \times 6 + 3}{5 \times 8} = 1.425$

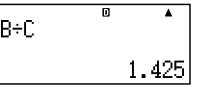
[9] [×] [6] [+] [3]
[SHIFT] [RCL] (STO) [,,,] (B)



[5] [×] [8] [SHIFT] [RCL] (STO) [hyp] (C)

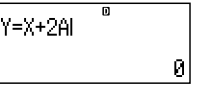


[ALPHA] [,,,] (B) [÷] [ALPHA] [hyp] (C) [=]

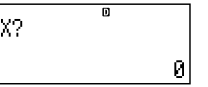


#016 LINE

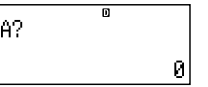
[ALPHA] [S⇔D] (Y) [ALPHA] [CALC] (=) [ALPHA] [)] (X)
[+] [2] [ALPHA] [(-)] (A)



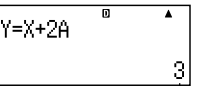
[CALC]



*1 [1] [=]

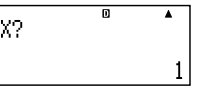


*2 [1] [=]

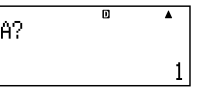


*3

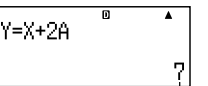
[CALC]



*4 [Ans] [=]

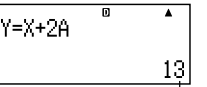


*5 [2] [=]



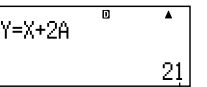
*6

CALC Ans = 3 =



*7

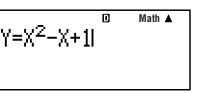
CALC Ans = 4 =



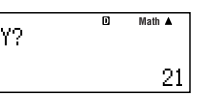
*8

#017 MATH

ALPHA S⇔D (Y) ALPHA CALC (=) ALPHA) (X)
x^2 − ALPHA) (X) + 1

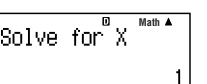


SHIFT CALC (SOLVE)



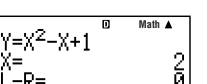
*1

3 =

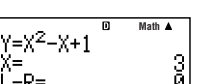


*2

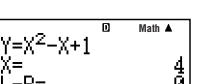
1 =



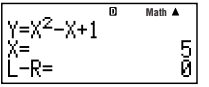
= 7 = =



= 1 3 = =

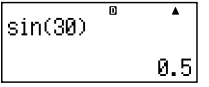


[=] [2] [1] [=] [=]

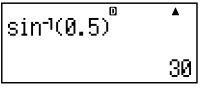


#018 **LINE** **Deg**

[sin] [3] [0] [)] [=]

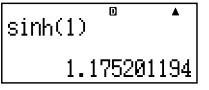


[SHIFT] [sin] ($\sin^{-1}$) [0] [•] [5] [)] [=]

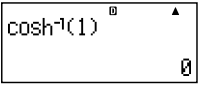


#019 **LINE**

[hyp] [1] (sinh) [1] [)] [=]

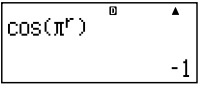


[hyp] [5] ($\cosh^{-1}$) [1] [)] [=]

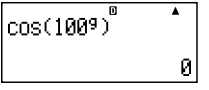


#020 **LINE** **Deg**

[cos] [SHIFT] [×10ˣ] (π) [SHIFT] [Ans] (DRG▶)
[2] (^{r}) [)] [=]

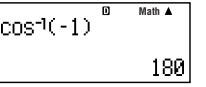


[cos] [1] [0] [0] [SHIFT] [Ans] (DRG▶)
[3] (^{g}) [)] [=]

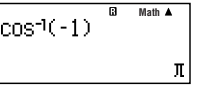


#021 **MATH**

Deg SHIFT cos ($\cos^{-1}$) (−) 1) =

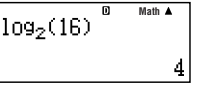


Rad SHIFT cos ($\cos^{-1}$) (−) 1) =

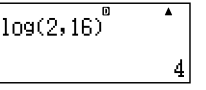


#022 $\log_2 16 = 4$

MATH $\log_{a}\square$ 2 ▶ 1 6 =

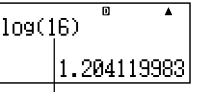


LINE log 2 SHIFT) (,) 1 6) =



#023 **LINE** log16 = 1.204119983

log 1 6) =

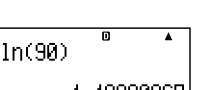


*1

#024 **LINE**

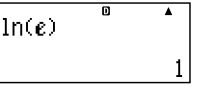
ln 90 (= $\log_e 90$) = 4.49980967

ln 9 0) =



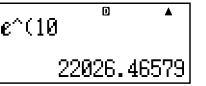
ln e = 1

ln ALPHA x10ˣ (e)) =



#025 **LINE** $e^{10} = 22026.46579$

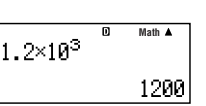
SHIFT ln ($e^{\blacksquare}$) 1 0 =



#026 **MATH**

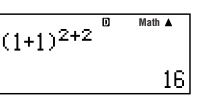
$1.2 \times 10^3 = 1200$

1 · 2 × SHIFT log ($10^{\blacksquare}$) 3 =



$(1 + 1)^{2+2} = 16$

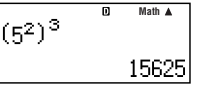
(1 + 1) $x^{\blacksquare}$ 2 + 2 =



#027

$(5^2)^3 = 15625$

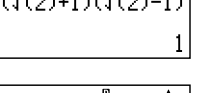
MATH (5 x^2) SHIFT x^2 (x^3) =



$(\sqrt{2} + 1)(\sqrt{2} - 1) = 1$

LINE ($\sqrt{\blacksquare}$ 2) + 1)

($\sqrt{\blacksquare}$ 2) − 1) =



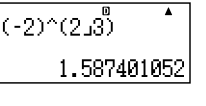
$\sqrt[5]{32} = 2$

5 SHIFT $x^{\blacksquare}$ ($\sqrt[\blacksquare]{\square}$) 3 2) =

#028 **LINE** $(-2)^{\frac{2}{3}} = 1.587401052$

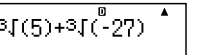
((−) 2) $x^{\blacksquare}$

2 $\frac{\blacksquare}{\square}$ 3) =



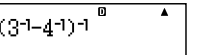
#029 **LINE** $\sqrt[3]{5} + \sqrt[3]{-27} = -1.290024053$

SHIFT √■ (∛■) 5) +
SHIFT √■ (∛■) (−) 2 7) =



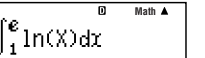
#030 **LINE** $\dfrac{1}{\frac{1}{3}-\frac{1}{4}} = 12$

(3 x^{-1} − 4 x^{-1}) x^{-1} =

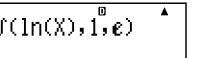


#031

MATH ▼ ln ALPHA) (X))
▼ 1 ▲ ALPHA ×10^ (e) =

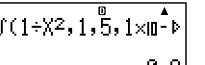


LINE ln ALPHA) (X))
SHIFT) (,) 1 SHIFT) (,)
ALPHA ×10^ (e)) =



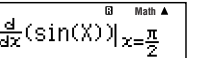
#032 **LINE**

1 ÷ ALPHA) (X) x^2
SHIFT) (,) 1 SHIFT) (,) 5
SHIFT) (,) 1 ×10^ (−) 7) =

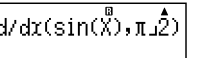


#033 **Rad**

MATH SHIFT ($\frac{d}{dx}$ ■) sin
ALPHA) (X)) ▶ =
SHIFT ×10^ (π) ▼ 2 =

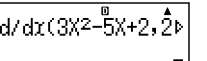


LINE SHIFT ($\frac{d}{dx}$ ■) sin
ALPHA) (X)) SHIFT) (,)
SHIFT ×10^ (π) = 2) =



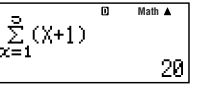
#034 **LINE**

SHIFT (d/dx) 3 ALPHA) (X) x^2 − 5 ALPHA) (X) + 2 SHIFT) (,) 2 SHIFT) (,) 1 ×10^ ← 1 2) =

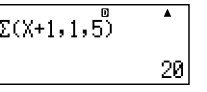


#035

MATH SHIFT log (Σ) ALPHA) (X) + 1 ▼ 1 ▲ 5 =

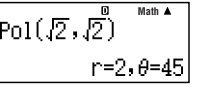


LINE SHIFT log (Σ) ALPHA) (X) + 1 SHIFT) (,) 1 SHIFT) (,) 5) =

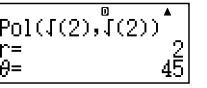


#036 **Deg** (X, Y) = $(\sqrt{2}, \sqrt{2}) \rightarrow (r, \theta)$

MATH SHIFT + (Pol) √ 2 ▶ SHIFT) (,) √ 2 ▶) =

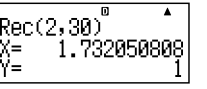


LINE SHIFT + (Pol) √ 2) SHIFT) (,) √ 2)) =



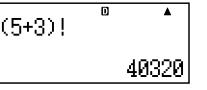
#037 **LINE** **Deg** (r, θ) = (2, 30) → (X, Y)

SHIFT − (Rec) 2 SHIFT) (,) 3 0) =



#038 **LINE**

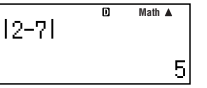
(5 + 3) SHIFT x^{-1} (x!) =



#039

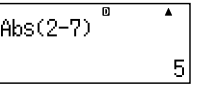
MATH

SHIFT hyp (Abs) 2 − 7 =



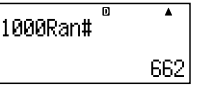
LINE

SHIFT hyp (Abs) 2 − 7) =



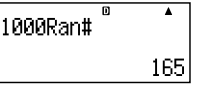
#040 **LINE**

1 0 0 0
SHIFT · (Ran#) =



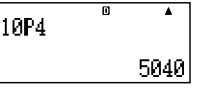
=

=

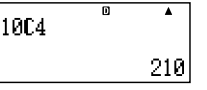


#041 **LINE**

1 0 SHIFT × (*n*P*r*) 4 =

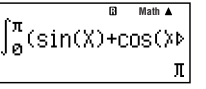


1 0 SHIFT ÷ (*n*C*r*) 4 =



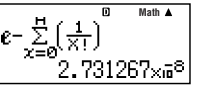
#042 **MATH** **Rad**

$\int$ (sin ALPHA) (X))
+ cos ALPHA) (X))
) x^2 ▶ 0 ▲ SHIFT $\times 10^x$ (π) =

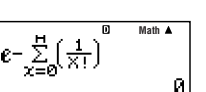


#043 **MATH**

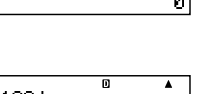
5 SHIFT RCL (STO) (−) (A)
ALPHA $\times 10^x$ (e) − SHIFT $\log_{\square}$ ($\sum$) =
1 ▼ ALPHA) (X) SHIFT x^2 ($x!$)
▶ ▶ 0 ▲ ALPHA (−) (A) =



1 0 SHIFT RCL (STO) (−) (A)
▲ =

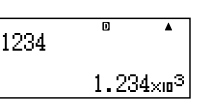


1 5 SHIFT RCL (STO) (−) (A)
▲ =

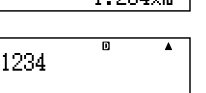


#044 **LINE**

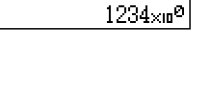
1 2 3 4 =



ENG

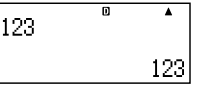


ENG

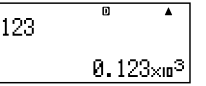


#045 **LINE**

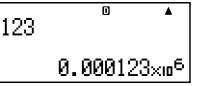
1 2 3 =



SHIFT ENG (←)

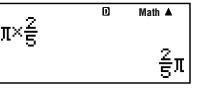


SHIFT ENG (←)

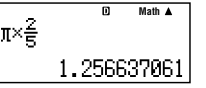


#046 **MATH**

SHIFT ×10^□ (π) × ▤ 2 ▼ 5 =

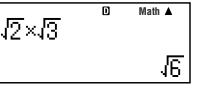


S⇔D

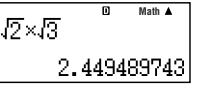


#047 **MATH**

√ 2 ▶ × √ 3 =

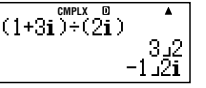


S⇔D



#048 **LINE**

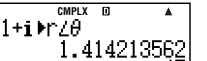
(1 + 3 *i*) ÷ (2 *i*) =



#049 **LINE** **Deg**

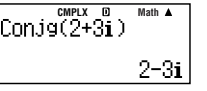
SHIFT 2 (CMPLX) 3 (▶$r\angle\theta$) =

1 + i



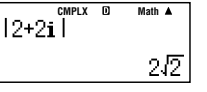
#050 **MATH**

SHIFT 2 (CMPLX) 2 (Conjg)
2 + 3 i) =

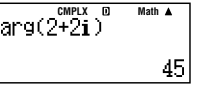


#051 **MATH** **Deg**

*1 SHIFT hyp (Abs) 2 +
2 i =



*2 SHIFT 2 (CMPLX) 1 (arg)
2 + 2 i) =



#052

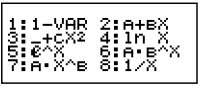
$$\bar{x} = \frac{\Sigma x}{n}$$

$$x\sigma n = \sqrt{\frac{\Sigma (x - \bar{x})^2}{n}}$$

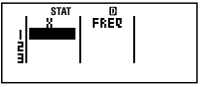
$$x\sigma n - 1 = \sqrt{\frac{\Sigma (x - \bar{x})^2}{n - 1}}$$

#053

SHIFT MODE ▼ 4 (STAT) 1 (ON)
MODE 3 (STAT)

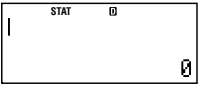


1 (1-VAR)



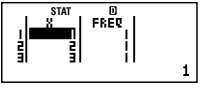
1 = 2 = 3 = 4 =
5 = 6 = 7 = 8 =
9 = 1 0 =

AC

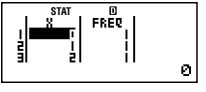


#054

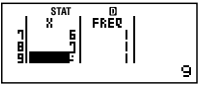
SHIFT 1 (STAT) 2 (Data)



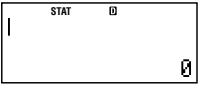
SHIFT 1 (STAT) 3 (Edit) 1 (Ins)



▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ DEL

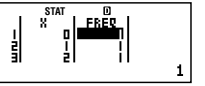


AC



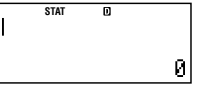
#055

[SHIFT] [1] (STAT) [2] (Data) [▶]



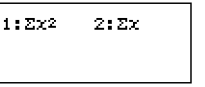
[▼] [2] [=] [▼] [2] [=] [2] [=]
[2] [=] [3] [=] [4] [=] [2] [=]

[AC]

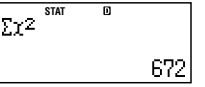


#056

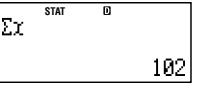
[SHIFT] [1] (STAT) [4] (Sum)



[1] (Σx^2) [=]

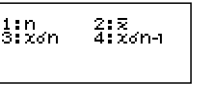


[SHIFT] [1] (STAT) [4] (Sum)
[2] (Σx) [=]

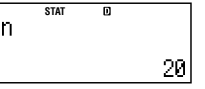


#057

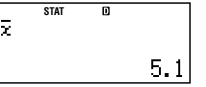
[SHIFT] [1] (STAT) [5] (Var)



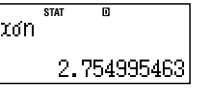
[1] (n) [=]



SHIFT 1 (STAT) 5 (Var) 2 ($\bar{x}$) =

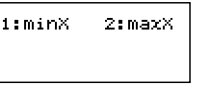


SHIFT 1 (STAT) 5 (Var)
3 ($x\sigma n$) =

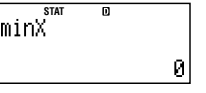


#058

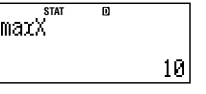
SHIFT 1 (STAT) 6 (MinMax)



1 (minX) =

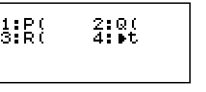


SHIFT 1 (STAT) 6 (MinMax)
2 (maxX) =

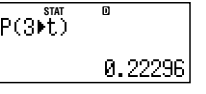


#059

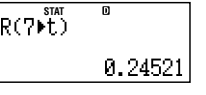
SHIFT 1 (STAT) 7 (Distr)



1 (P() 3 SHIFT 1 (STAT)
7 (Distr) 4 ($\blacktriangleright t$)) =



SHIFT 1 (STAT) 7 (Distr)
3 (R() 7 SHIFT 1 (STAT)
7 (Distr) 4 ($\blacktriangleright t$)) =



#060

$$\bar{x} = \frac{\Sigma x}{n}$$

$$x\sigma n = \sqrt{\frac{\Sigma (x - \bar{x})^2}{n}}$$

$$x\sigma n-1 = \sqrt{\frac{\Sigma (x - \bar{x})^2}{n-1}}$$

$$\bar{y} = \frac{\Sigma y}{n}$$

$$y\sigma n = \sqrt{\frac{\Sigma (y - \bar{y})^2}{n}}$$

$$y\sigma n-1 = \sqrt{\frac{\Sigma (y - \bar{y})^2}{n-1}}$$

$$A = \frac{\Sigma y - B \cdot \Sigma x}{n}$$

$$B = \frac{n \cdot \Sigma xy - \Sigma x \cdot \Sigma y}{n \cdot \Sigma x^2 - (\Sigma x)^2}$$

$$r = \frac{n \cdot \Sigma xy - \Sigma x \cdot \Sigma y}{\sqrt{\{n \cdot \Sigma x^2 - (\Sigma x)^2\}\{n \cdot \Sigma y^2 - (\Sigma y)^2\}}}$$

$$\hat{x} = \frac{y - A}{B}$$

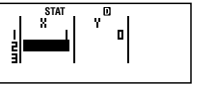
$$\hat{y} = A + Bx$$

#061

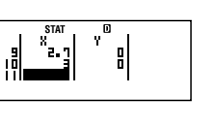
x	y	x	y
1.0	1.0	2.1	1.5
1.2	1.1	2.4	1.6
1.5	1.2	2.5	1.7
1.6	1.3	2.7	1.8
1.9	1.4	3.0	2.0

SHIFT MODE ▼ 4 (STAT) 2 (OFF)
MODE 3 (STAT)

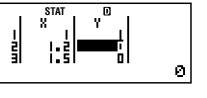
2 (A+BX) 1 =



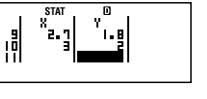
1 • 2 = 1 • 5 =
1 • 6 = 1 • 9 =
2 • 1 = 2 • 4 =
2 • 5 = 2 • 7 =
3 =



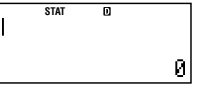
▼ ▶ 1 =



1 • 1 = 1 • 2 =
1 • 3 = 1 • 4 =
1 • 5 = 1 • 6 =
1 • 7 = 1 • 8 =
2 =

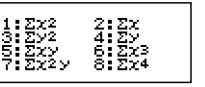


AC

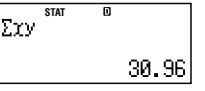


#062

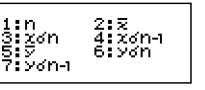
SHIFT 1 (STAT) 4 (Sum)



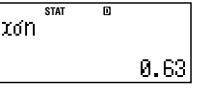
5 (Σxy) =



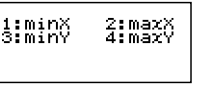
SHIFT 1 (STAT) 5 (Var)



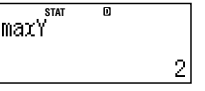
3 ($x\sigma n$) =



SHIFT 1 (STAT) 6 (MinMax)

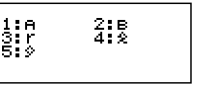


4 (maxY) =

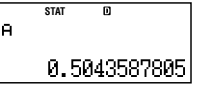


#063

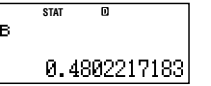
SHIFT 1 (STAT) 7 (Reg)



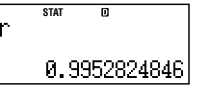
1 (A) =



SHIFT 1 (STAT) 7 (Reg)
2 (B) =

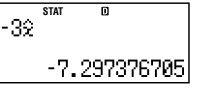


SHIFT 1 (STAT) 7 (Reg) 3 (r) =

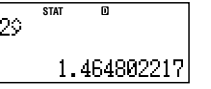


#064

*1 (−) 3 SHIFT 1 (STAT)
7 (Reg) 4 ($\hat{x}$) =



*2 2 SHIFT 1 (STAT) 7 (Reg)
5 ($\hat{y}$) =



#065

$$A = \frac{\Sigma y}{n} - B\left(\frac{\Sigma x}{n}\right) - C\left(\frac{\Sigma x^2}{n}\right)$$

$$B = \frac{Sxy \cdot Sx^2x^2 - Sx^2y \cdot Sxx^2}{Sxx \cdot Sx^2x^2 - (Sxx^2)^2}$$

$$C = \frac{Sx^2y \cdot Sxx - Sxy \cdot Sxx^2}{Sxx \cdot Sx^2x^2 - (Sxx^2)^2}$$

$$Sxx = \Sigma x^2 - \frac{(\Sigma x)^2}{n}$$

$$Sxy = \Sigma xy - \frac{(\Sigma x \cdot \Sigma y)}{n}$$

$$Sxx^2 = \Sigma x^3 - \frac{(\Sigma x \cdot \Sigma x^2)}{n}$$

$$Sx^2x^2 = \Sigma x^4 - \frac{(\Sigma x^2)^2}{n}$$

$$Sx^2y = \Sigma x^2y - \frac{(\Sigma x^2 \cdot \Sigma y)}{n}$$

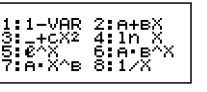
$$\hat{x}1 = \frac{-B + \sqrt{B^2 - 4C(A - y)}}{2C}$$

$$\hat{x}2 = \frac{-B - \sqrt{B^2 - 4C(A - y)}}{2C}$$

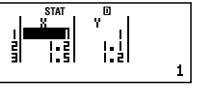
$$\hat{y} = A + Bx + Cx^2$$

#066

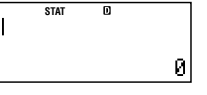
SHIFT 1 (STAT) 1 (Type)



3 (_+CX²)

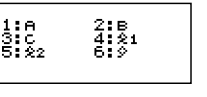


AC

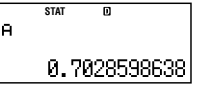


#067

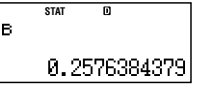
SHIFT 1 (STAT) 7 (Reg)



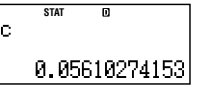
1 (A) =



SHIFT 1 (STAT) 7 (Reg)
2 (B) =



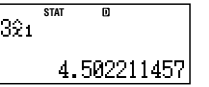
SHIFT 1 (STAT) 7 (Reg)
3 (C) =



#068

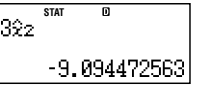
$y = 3 \rightarrow \hat{x}_1 = ?$

3 SHIFT 1 (STAT) 7 (Reg)
4 ($\hat{x}_1$) =



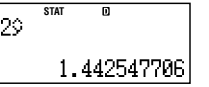
$y = 3 \rightarrow \hat{x}_2 = ?$

3 SHIFT 1 (STAT) 7 (Reg)
5 ($\hat{x}_2$) =



$x = 2 \rightarrow \hat{y} = ?$

2 SHIFT 1 (STAT) 7 (Reg)
6 ($\hat{y}$) =



#069

$$A = \frac{\Sigma y - B \cdot \Sigma \ln x}{n}$$

$$B = \frac{n \cdot \Sigma (\ln x) y - \Sigma \ln x \cdot \Sigma y}{n \cdot \Sigma (\ln x)^2 - (\Sigma \ln x)^2}$$

$$r = \frac{n \cdot \Sigma (\ln x) y - \Sigma \ln x \cdot \Sigma y}{\sqrt{\{n \cdot \Sigma (\ln x)^2 - (\Sigma \ln x)^2\}\{n \cdot \Sigma y^2 - (\Sigma y)^2\}}}$$

$$\hat{x} = e^{\frac{y - A}{B}}$$

$$\hat{y} = A + B \ln x$$

#070

$$A = \exp\left(\frac{\Sigma \ln y - B \cdot \Sigma x}{n}\right)$$

$$B = \frac{n \cdot \Sigma x \ln y - \Sigma x \cdot \Sigma \ln y}{n \cdot \Sigma x^2 - (\Sigma x)^2}$$

$$r = \frac{n \cdot \Sigma x \ln y - \Sigma x \cdot \Sigma \ln y}{\sqrt{\{n \cdot \Sigma x^2 - (\Sigma x)^2\}\{n \cdot \Sigma (\ln y)^2 - (\Sigma \ln y)^2\}}}$$

$$\hat{x} = \frac{\ln y - \ln A}{B}$$

$$\hat{y} = Ae^{Bx}$$

#071

$$A = \exp\left(\frac{\Sigma \ln y - B \cdot \Sigma x}{n}\right)$$

$$B = \exp\left(\frac{n \cdot \Sigma x \ln y - \Sigma x \cdot \Sigma \ln y}{n \cdot \Sigma x^2 - (\Sigma x)^2}\right)$$

$$r = \frac{n \cdot \Sigma x \ln y - \Sigma x \cdot \Sigma \ln y}{\sqrt{\{n \cdot \Sigma x^2 - (\Sigma x)^2\}\{n \cdot \Sigma (\ln y)^2 - (\Sigma \ln y)^2\}}}$$

$$\hat{x} = \frac{\ln y - \ln A}{\ln B}$$

$$\hat{y} = AB^x$$

#072

$$A = \exp\left(\frac{\Sigma \ln y - B \cdot \Sigma \ln x}{n}\right)$$

$$B = \frac{n \cdot \Sigma \ln x \ln y - \Sigma \ln x \cdot \Sigma \ln y}{n \cdot \Sigma (\ln x)^2 - (\Sigma \ln x)^2}$$

$$r = \frac{n \cdot \Sigma \ln x \ln y - \Sigma \ln x \cdot \Sigma \ln y}{\sqrt{\{n \cdot \Sigma (\ln x)^2 - (\Sigma \ln x)^2\}\{n \cdot \Sigma (\ln y)^2 - (\Sigma \ln y)^2\}}}$$

$$\hat{x} = e^{\frac{\ln y - \ln A}{B}}$$

$$\hat{y} = Ax^B$$

#073

$$A = \frac{\Sigma y - B \cdot \Sigma x^{-1}}{n}$$

$$B = \frac{Sxy}{Sxx}$$

$$r = \frac{Sxy}{\sqrt{Sxx \cdot Syy}}$$

$$Sxx = \Sigma (x^{-1})^2 - \frac{(\Sigma x^{-1})^2}{n}$$

$$Syy = \Sigma y^2 - \frac{(\Sigma y)^2}{n}$$

$$Sxy = \Sigma (x^{-1}) y - \frac{\Sigma x^{-1} \cdot \Sigma y}{n}$$

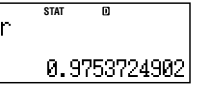
$$\hat{x} = \frac{B}{y - A}$$

$$\hat{y} = A + \frac{B}{x}$$

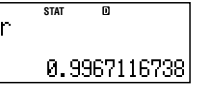
#074

SHIFT 1 (STAT) 1 (Type)

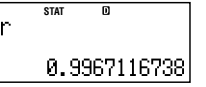
4 (ln X) AC SHIFT 1 (STAT)
7 (Reg) 3 (r) =



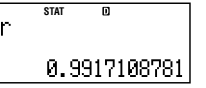
SHIFT 1 (STAT) 1 (Type)
5 (*e*^X) AC SHIFT 1 (STAT)
7 (Reg) 3 (r) =



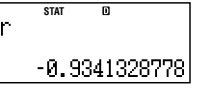
SHIFT 1 (STAT) 1 (Type)
6 (A•B^X) AC SHIFT 1 (STAT)
7 (Reg) 3 (r) =



SHIFT 1 (STAT) 1 (Type)
7 (A•X^B) AC SHIFT 1 (STAT)
7 (Reg) 3 (r) =



SHIFT 1 (STAT) 1 (Type)
8 (1/X) AC SHIFT 1 (STAT)
7 (Reg) 3 (r) =

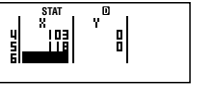


#075 $y = A + B\ln x$

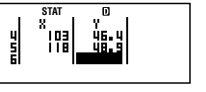
x	y
29	1.6
50	23.5
74	38.0
103	46.4
118	48.9

SHIFT MODE ▼ 4 (STAT) 2 (OFF)
MODE 3 (STAT) 4 (ln X)

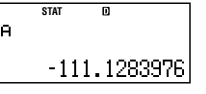
2 9 = 5 0 = 7 4 =
1 0 3 = 1 1 8 =



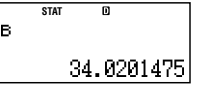
▼ ▶ 1 · 6 =
2 3 · 5 =
3 8 = 4 6 · 4 =
4 8 · 9 =



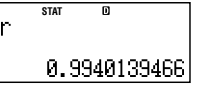
AC SHIFT 1 (STAT) 7 (Reg)
1 (A) =



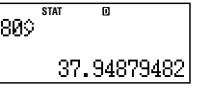
SHIFT 1 (STAT) 7 (Reg)
2 (B) =



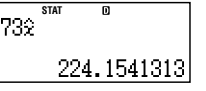
SHIFT 1 (STAT) 7 (Reg)
3 (r) =



$x = 80 \rightarrow \hat{y} = ?$
8 0 SHIFT 1 (STAT) 7 (Reg)
5 ($\hat{y}$) =



$y = 73 \rightarrow \hat{x} = ?$
7 3 SHIFT 1 (STAT) 7 (Reg)
4 ($\hat{x}$) =

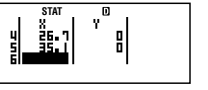


#076 $y = Ae^{Bx}$

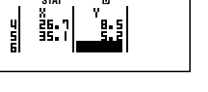
x	y
6.9	21.4
12.9	15.7
19.8	12.1
26.7	8.5
35.1	5.2

SHIFT MODE ▼ 4 (STAT) 2 (OFF)
MODE 3 (STAT) 5 (e^X)

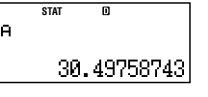
6 • 9 = 1 2 • 9 =
1 9 • 8 =
2 6 • 7 =
3 5 • 1 =



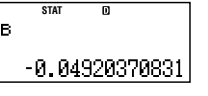
▼ ▶ 2 1 • 4 =
1 5 • 7 =
1 2 • 1 = 8 • 5 =
5 • 2 =



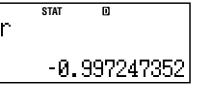
AC SHIFT 1 (STAT) 7 (Reg)
1 (A) =



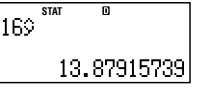
SHIFT 1 (STAT) 7 (Reg)
2 (B) =



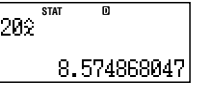
SHIFT 1 (STAT) 7 (Reg)
3 (r) =



$x = 16 \rightarrow \hat{y} = ?$
1 6 SHIFT 1 (STAT) 7 (Reg)
5 ($\hat{y}$) =



$y = 20 \rightarrow \hat{x} = ?$
2 0 SHIFT 1 (STAT) 7 (Reg)
4 ($\hat{x}$) =

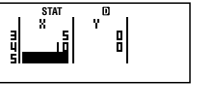


#077 $y = AB^x$

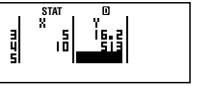
x	y
–1	0.24
3	4
5	16.2
10	513

SHIFT MODE ▼ 4 (STAT) 2 (OFF)
MODE 3 (STAT) 6 (A•B^X)

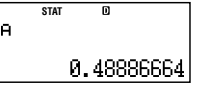
(↔) 1 = 3 = 5 =
1 0 =



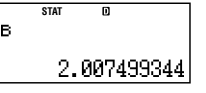
▼ ▶ 0 • 2 4 = 4 =
1 6 • 2 = 5 1 3 =



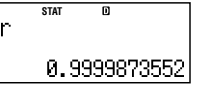
AC SHIFT 1 (STAT) 7 (Reg)
1 (A) =



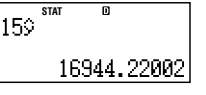
SHIFT 1 (STAT) 7 (Reg)
2 (B) =



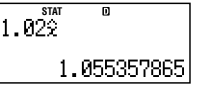
SHIFT 1 (STAT) 7 (Reg)
3 (r) =



$x = 15 \rightarrow \hat{y} = ?$
1 5 SHIFT 1 (STAT) 7 (Reg)
5 ($\hat{y}$) =



$y = 1.02 \rightarrow \hat{x} = ?$
1 • 0 2 SHIFT 1 (STAT)
7 (Reg) 4 ($\hat{x}$) =

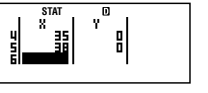


#078 $y = Ax^B$

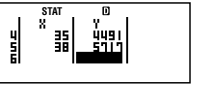
x	y
28	2410
30	3033
33	3895
35	4491
38	5717

SHIFT MODE ▼ 4 (STAT) 2 (OFF)
MODE 3 (STAT) 7 (A•X^B)

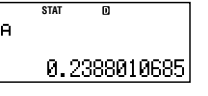
2 8 = 3 0 = 3 3 =
3 5 = 3 8 =



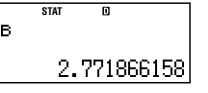
▼ ▶ 2 4 1 0 =
3 0 3 3 =
3 8 9 5 =
4 4 9 1 =
5 7 1 7 =



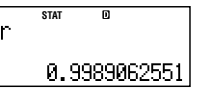
AC SHIFT 1 (STAT) 7 (Reg)
1 (A) =



SHIFT 1 (STAT) 7 (Reg)
2 (B) =

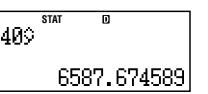


SHIFT 1 (STAT) 7 (Reg)
3 (r) =



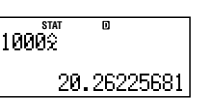
$x = 40 \rightarrow \hat{y} = ?$

4 0 SHIFT 1 (STAT) 7 (Reg)
5 ($\hat{y}$) =



$y = 1000 \rightarrow \hat{x} = ?$

1 0 0 0 SHIFT 1 (STAT)
7 (Reg) 4 ($\hat{x}$) =

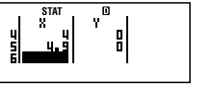


#079 $y = A + \frac{B}{x}$

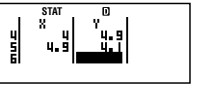
x	y
1.1	18.3
2.1	9.7
2.9	6.8
4.0	4.9
4.9	4.1

SHIFT MODE ▼ 4 (STAT) 2 (OFF)
MODE 3 (STAT) 8 (1/X)

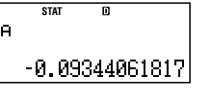
1 • 1 = 2 • 1 =
2 • 9 = 4 =
4 • 9 =



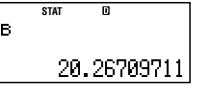
▼ ▶ 1 8 • 3 =
9 • 7 = 6 • 8 =
4 • 9 = 4 • 1 =



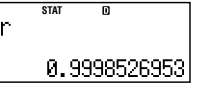
AC SHIFT 1 (STAT) 7 (Reg)
1 (A) =



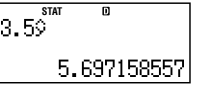
SHIFT 1 (STAT) 7 (Reg)
2 (B) =



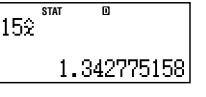
SHIFT 1 (STAT) 7 (Reg)
3 (r) =



$x = 3.5 \rightarrow \hat{y} = ?$
3 • 5 SHIFT 1 (STAT)
7 (Reg) 5 ($\hat{y}$) =

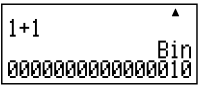


$y = 15 \rightarrow \hat{x} = ?$
1 5 SHIFT 1 (STAT) 7 (Reg)
4 ($\hat{x}$) =



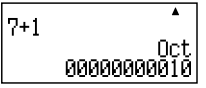
#080

AC BIN 1 + 1 =



#081

AC OCT 7 + 1 =

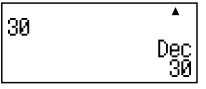


#082

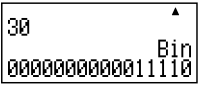
AC HEX 1 F + 1 =

#083

AC DEC 3 0 =



BIN

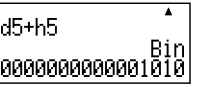


OCT

HEX

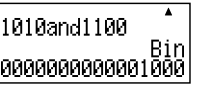
#084

AC BIN SHIFT 3 (BASE) ▼ 1 (d)
5 + SHIFT 3 (BASE) ▼ 2 (h)
5 =



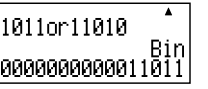
#085 1010_2 and $1100_2 = 1000_2$

1 0 1 0 SHIFT 3 (BASE)
1 (and) 1 1 0 0 =



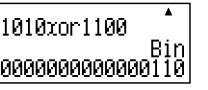
#086 1011_2 or $11010_2 = 11011_2$

1 0 1 1 SHIFT 3 (BASE)
2 (or) 1 1 0 1 0 =



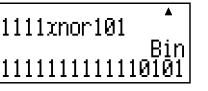
#087 1010_2 xor $1100_2 = 110_2$

1 0 1 0 SHIFT 3 (BASE)
3 (xor) 1 1 0 0 =



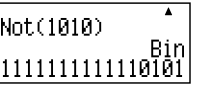
#088 1111_2 xnor $101_2 = 1111111111110101_2$

1 1 1 1 SHIFT 3 (BASE)
4 (xnor) 1 0 1 =



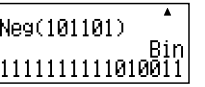
#089 Not $(1010_2) = 1111111111110101_2$

SHIFT 3 (BASE)
5 (Not) 1 0 1 0) =



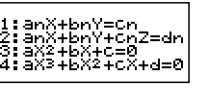
#090 Neg (101101_2) = 1111111111010011_2

[SHIFT] [3] (BASE) [6] (Neg)
[1] [0] [1] [1] [0] [1] [)] [=]

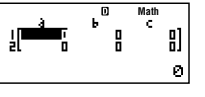


#091 **MATH** $\begin{cases} X + 2Y = 3 \\ 2X + 3Y = 4 \end{cases}$

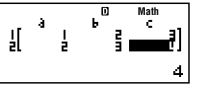
[MODE] [5] (EQN)



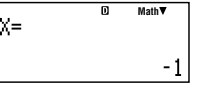
[1] ($a_nX+b_nY=c_n$)



[1] [=] [2] [=] [3] [=]
[2] [=] [3] [=] [4] [=]



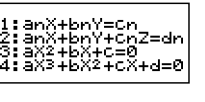
[=]



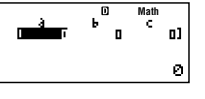
[▼]

#092 **MATH** $X^2 + 2X + 3 = 0$

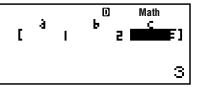
[MODE] [5] (EQN)



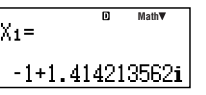
[3] ($aX^2+bX+c=0$)



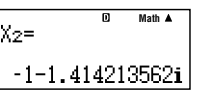
[1] [=] [2] [=] [3] [=]



[=]



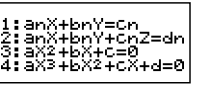
[=]



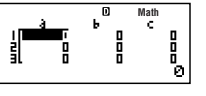
#093 **MATH**

$$\begin{cases} X - Y + Z = 2 \\ X + Y - Z = 0 \\ -X + Y + Z = 4 \end{cases}$$

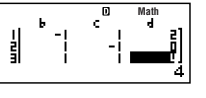
[MODE] [5] (EQN)



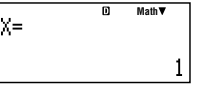
[2] ($a_nX+b_nY+c_nZ=d_n$)



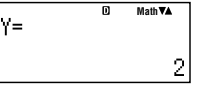
[1] [=] [(−)] [1] [=] [1] [=] [2] [=]
[1] [=] [1] [=] [(−)] [1] [=] [0] [=]
[(−)] [1] [=] [1] [=] [1] [=] [4] [=]



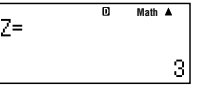
[=]



[▼]

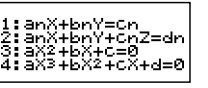


▼

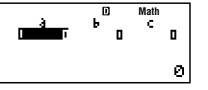


#094 **MATH** $X^3 - 2X^2 - X + 2 = 0$

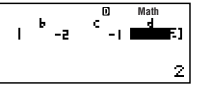
MODE 5 (EQN)



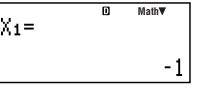
4 ($aX^3+bX^2+cX+d=0$)



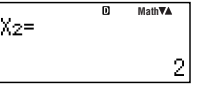
1 = (−) 2 =
(−) 1 = 2 =



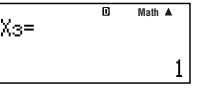
=



▼

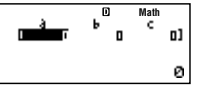


▼

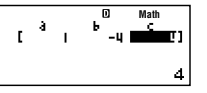


#095 **MATH** $X^2 - 4X + 4 = 0$

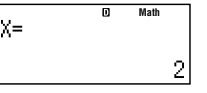
MODE 5 (EQN) 3 ($aX^2+bX+c=0$)



1 = (−) 4 = 4 =

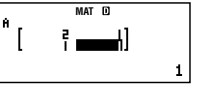


=

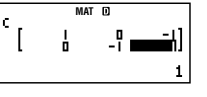


#096

MODE 6 (MATRIX)
1 (MatA) 5 (2×2)
2 = 1 = 1 = 1 =

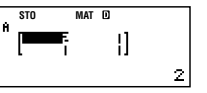


SHIFT 4 (MATRIX) 1 (Dim)
3 (MatC) 4 (2×3)
1 = 0 = (−) 1 =
0 = (−) 1 = 1 =

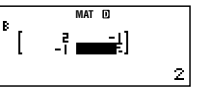


#097

SHIFT 4 (MATRIX) 2 (Data)
1 (MatA) SHIFT RCL (STO)

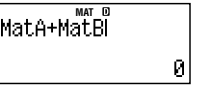


, (MatB) ▶
(−) 1 = (−) 1 = 2 =

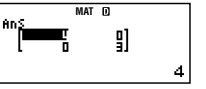


#098

AC SHIFT 4 (MATRIX) 3 (MatA)
+ SHIFT 4 (MATRIX) 4 (MatB)

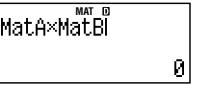


=

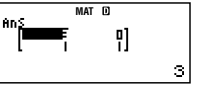


#099

SHIFT 4 (MATRIX) 3 (MatA) ×
SHIFT 4 (MATRIX) 4 (MatB)

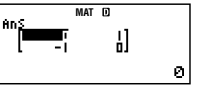


=



SHIFT 4 (MATRIX) 4 (MatB) ×
SHIFT 4 (MATRIX) 3 (MatA) −
SHIFT 4 (MATRIX) 6 (MatAns)

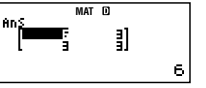
=



#100

3 × SHIFT 4 (MATRIX) 3 (MatA)

=



#101

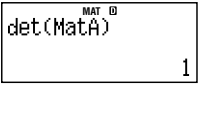
$$\det\begin{bmatrix} a_{11} \end{bmatrix} = a_{11}$$

$$\det\begin{bmatrix} a_{11} & a_{12} \\ a_{21} & a_{22} \end{bmatrix} = a_{11}a_{22} - a_{12}a_{21}$$

$$\det\begin{bmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \\ a_{31} & a_{32} & a_{33} \end{bmatrix}$$

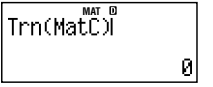
$$= a_{11}a_{22}a_{33} + a_{12}a_{23}a_{31} + a_{13}a_{21}a_{32} - a_{13}a_{22}a_{31} - a_{12}a_{21}a_{33} - a_{11}a_{23}a_{32}$$

SHIFT 4 (MATRIX) 7 (det) SHIFT 4 (MATRIX) 3 (MatA)) =

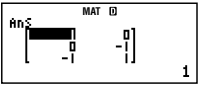


#102

SHIFT 4 (MATRIX) 8 (Trn) SHIFT 4 (MATRIX) 5 (MatC)) =



=



#103

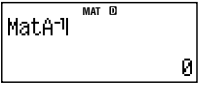
$$\left[a_{11}\right]^{-1} = \left[\frac{1}{a_{11}}\right]$$

$$\begin{bmatrix} a_{11} & a_{12} \\ a_{21} & a_{22} \end{bmatrix}^{-1} = \frac{\begin{bmatrix} a_{22} & -a_{12} \\ -a_{21} & a_{11} \end{bmatrix}}{a_{11}a_{22} - a_{12}a_{21}}$$

$$\begin{bmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \\ a_{31} & a_{32} & a_{33} \end{bmatrix}^{-1}$$

$$= \frac{\begin{bmatrix} a_{22}a_{33} - a_{23}a_{32} & -a_{12}a_{33} + a_{13}a_{32} & a_{12}a_{23} - a_{13}a_{22} \\ -a_{21}a_{33} + a_{23}a_{31} & a_{11}a_{33} - a_{13}a_{31} & -a_{11}a_{23} + a_{13}a_{21} \\ a_{21}a_{32} - a_{22}a_{31} & -a_{11}a_{32} + a_{12}a_{31} & a_{11}a_{22} - a_{12}a_{21} \end{bmatrix}}{\det \begin{bmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \\ a_{31} & a_{32} & a_{33} \end{bmatrix}}$$

SHIFT 4 (MATRIX) 3 (MatA) x^{-1}



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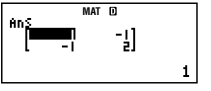
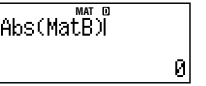
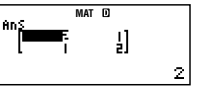


#104

SHIFT hyp (Abs) SHIFT 4 (MATRIX) 4 (MatB))

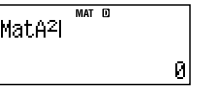


=

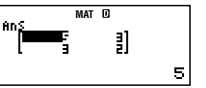


#105

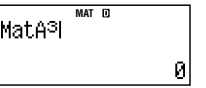
SHIFT 4 (MATRIX) 3 (MatA) x^2



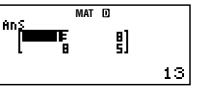
=



SHIFT 4 (MATRIX) 3 (MatA) SHIFT x^2 (x^3)

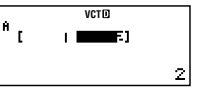


=

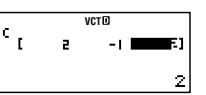


#106

MODE 8 (VECTOR) 1 (VctA) 2 (2) 1 = 2 =

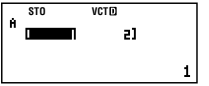


AC SHIFT 5 (VECTOR) 1 (Dim) 3 (VctC) 1 (3) 2 = (↔) 1 = 2 =

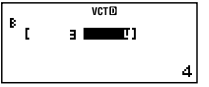


#107

AC SHIFT 5 (VECTOR) 2 (Data)
1 (VctA) SHIFT RCL (STO)

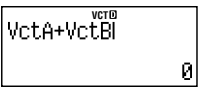


(VctB) 3 = 4 =

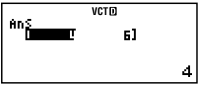


#108

AC SHIFT 5 (VECTOR) 3 (VctA)
+ SHIFT 5 (VECTOR) 4 (VctB)

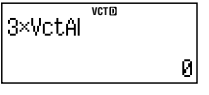


=

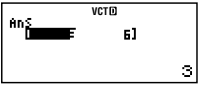


#109

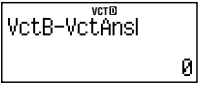
3 × SHIFT 5 (VECTOR)
3 (VctA)



=



SHIFT 5 (VECTOR) 4 (VctB) −
SHIFT 5 (VECTOR) 6 (VctAns)



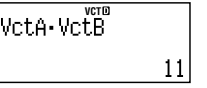
=

#110

$(a_1, a_2) \cdot (b_1, b_2) = a_1b_1 + a_2b_2$

$(a_1, a_2, a_3) \cdot (b_1, b_2, b_3) = a_1b_1 + a_2b_2 + a_3b_3$

[SHIFT] [5] (VECTOR) [3] (VctA)
[SHIFT] [5] (VECTOR) [7] (Dot)
[SHIFT] [5] (VECTOR) [4] (VctB) [=]



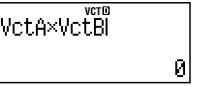
#111

$(a_1, a_2) \times (b_1, b_2) = (0, 0, a_1b_2 - a_2b_1)$

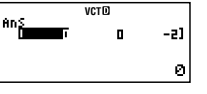
$(a_1, a_2, a_3) \times (b_1, b_2, b_3)$

$= (a_2b_3 - a_3b_2, a_3b_1 - a_1b_3, a_1b_2 - a_2b_1)$

[SHIFT] [5] (VECTOR) [3] (VctA) [×]
[SHIFT] [5] (VECTOR) [4] (VctB)



[=]

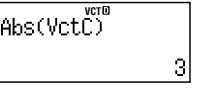


#112

$\mathrm{Abs}(a_1, a_2) = \sqrt{a_1^2 + a_2^2}$

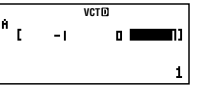
$\mathrm{Abs}(a_1, a_2, a_3) = \sqrt{a_1^2 + a_2^2 + a_3^2}$

[SHIFT] [hyp] (Abs) [SHIFT] [5] (VECTOR)
[5] (VctC) [)] [=]

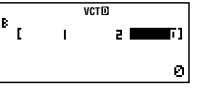


#113 **Deg**

[SHIFT] [5] (VECTOR) [1] (Dim)
[1] (VctA) [1] (3)
[(-)] [1] [=] [0] [=] [1] [=]

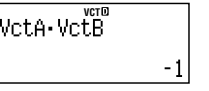


[AC] [SHIFT] [5] (VECTOR) [1] (Dim)
[2] (VctB) [1] (3)
[1] [=] [2] [=] [0] [=]



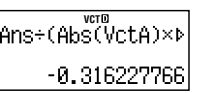
VctA • VctB

[AC] [SHIFT] [5] (VECTOR) [3] (VctA)
[SHIFT] [5] (VECTOR) [7] (Dot)
[SHIFT] [5] (VECTOR) [4] (VctB) [=]



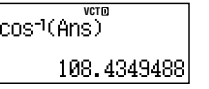
Ans ÷ (Abs(VctA) × Abs(VctB))

[÷] [(] [SHIFT] [hyp] (Abs) [SHIFT]
[5] (VECTOR) [3] (VctA) [)] [×]
[SHIFT] [hyp] (Abs) [SHIFT] [5] (VECTOR)
[4] (VctB) [)] [)] [=]



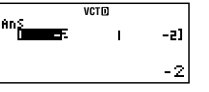
$\cos^{-1}$ Ans

*1 [SHIFT] [cos] ($\cos^{-1}$) [Ans] [)] [=]



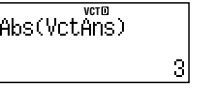
VctA × VctB

[SHIFT] [5] (VECTOR) [3] (VctA) [×]
[SHIFT] [5] (VECTOR) [4] (VctB) [=]



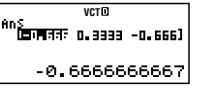
Abs(VctAns)

[SHIFT] [hyp] (Abs) [SHIFT] [5] (VECTOR)
[6] (VctAns) [)] [=]



VctAns ÷ Ans

*2 [SHIFT] [5] (VECTOR)
[6] (VctAns) [÷] [Ans] [=]



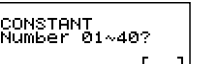
#114

01	mp	$1.67262158 \times 10^{-27}$ kg
02	mn	$1.67492716 \times 10^{-27}$ kg
03	me	$9.10938188 \times 10^{-31}$ kg
04	mμ	$1.88353109 \times 10^{-28}$ kg
05	a0	$0.5291772083 \times 10^{-10}$ m
06	h	$6.62606876 \times 10^{-34}$ Js
07	μN	$5.05078317 \times 10^{-27}$ JT^{-1}
08	μB	$927.400899 \times 10^{-26}$ JT^{-1}
09	$\hbar$	$1.054571596 \times 10^{-34}$ Js
10	α	$7.297352533 \times 10^{-3}$
11	re	$2.817940285 \times 10^{-15}$ m
12	λc	$2.426310215 \times 10^{-12}$ m
13	γp	2.67522212×10^{8} $s^{-1}T^{-1}$
14	λcp	$1.321409847 \times 10^{-15}$ m
15	λcn	$1.319590898 \times 10^{-15}$ m
16	R∞	10973731.568549 m^{-1}
17	u	$1.66053873 \times 10^{-27}$ kg
18	μp	$1.410606633 \times 10^{-26}$ JT^{-1}
19	μe	$-928.476362 \times 10^{-26}$ JT^{-1}
20	μn	$-0.96623640 \times 10^{-26}$ JT^{-1}
21	$\mu\mu$	$-4.49044813 \times 10^{-26}$ JT^{-1}
22	F	96485.3415 $Cmol^{-1}$
23	e	$1.602176462 \times 10^{-19}$ C
24	NA	$6.02214199 \times 10^{23}$ mol^{-1}
25	k	$1.3806503 \times 10^{-23}$ JK^{-1}
26	Vm	22.413996×10^{-3} m^3 mol^{-1}
27	R	8.314472 $Jmol^{-1}$ K^{-1}
28	C0	299792458 ms^{-1}
29	C1	$3.74177107 \times 10^{-16}$ Wm^2
30	C2	1.4387752×10^{-2} mK
31	σ	5.670400×10^{-8} Wm^{-2} K^{-4}
32	ε0	$8.854187817 \times 10^{-12}$ Fm^{-1}
33	μ0	$12.566370614 \times 10^{-7}$ NA^{-2}
34	ϕ 0	$2.067833636 \times 10^{-15}$ Wb

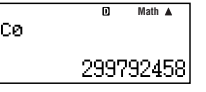
35	g	9.80665 ms^{-2}
36	G_0	$7.748091696 \times 10^{-5}$ S
37	Z_0	376.730313461 Ω
38	t	273.15 K
39	G	6.673×10^{-11} $m^3\ kg^{-1}\ s^{-2}$
40	atm	101325 Pa

#115 **MATH**

SHIFT 7 (CONST)

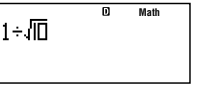


2 8 (c_0) =

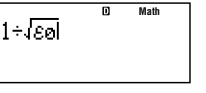


#116 **MATH** $c_0 = 1/\sqrt{\varepsilon_0\mu_0}$

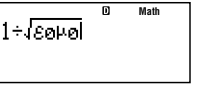
1 ÷ √



SHIFT 7 (CONST)
3 2 (ε_0)



SHIFT 7 (CONST)
3 3 (μ_0)



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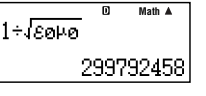


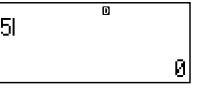
#117

01	in ▶ cm	1 [inch] = 2.54 [cm]
02	cm ▶ in	1 [cm] = (1/2.54) [inch]
03	ft ▶ m	1 [ft] = 0.3048 [m]
04	m ▶ ft	1 [m] = (1/0.3048) [ft]
05	yd ▶ m	1 [yd] = 0.9144 [m]
06	m ▶ yd	1 [m] = (1/0.9144) [yd]
07	mile ▶ km	1 [mile] = 1.609344 [km]
08	km ▶ mile	1 [km] = (1/1.609344) [mile]
09	n mile ▶ m	1 [n mile] = 1852 [m]
10	m ▶ n mile	1 [m] = (1/1852) [n mile]
11	acre ▶ m^2	1 [acre] = 4046.856 [m^2]
12	m^2 ▶ acre	1 [m^2] = (1/4046.856) [acre]
13	gal (US) ▶ ℓ	1 [gal (US)] = 3.785412 [ℓ]
14	ℓ ▶ gal (US)	1 [ℓ] = (1/3.785412) [gal (US)]
15	gal (UK) ▶ ℓ	1 [gal (UK)] = 4.54609 [ℓ]
16	ℓ ▶ gal (UK)	1 [ℓ] = (1/4.54609) [gal (UK)]
17	pc ▶ km	1 [pc] = 3.085678×10^{13} [km]
18	km ▶ pc	1 [km] = $(1/(3.085678 \times 10^{13}))$ [pc]
19	km/h ▶ m/s	1 [km/h] = (5/18) [m/s]
20	m/s ▶ km/h	1 [m/s] = (18/5) [km/h]
21	oz ▶ g	1 [oz] = 28.34952 [g]
22	g ▶ oz	1 [g] = (1/28.34952) [oz]
23	lb ▶ kg	1 [lb] = 0.4535924 [kg]
24	kg ▶ lb	1 [kg] = (1/0.4535924) [lb]
25	atm ▶ Pa	1 [atm] = 101325 [Pa]
26	Pa ▶ atm	1 [Pa] = (1/101325) [atm]
27	mmHg ▶ Pa	1 [mmHg] = 133.3224 [Pa]
28	Pa ▶ mmHg	1 [Pa] = (1/133.3224) [mmHg]
29	hp ▶ kW	1 [hp] = 0.7457 [kW]
30	kW ▶ hp	1 [kW] = (1/0.7457) [hp]
31	kgf/cm^2 ▶ Pa	1 [kgf/cm^2] = 98066.5 [Pa]
32	Pa ▶ kgf/cm^2	1 [Pa] = (1/98066.5) [kgf/cm^2]
33	kgf • m ▶ J	1 [kgf • m] = 9.80665 [J]
34	J ▶ kgf • m	1 [J] = (1/9.80665) [kgf • m]

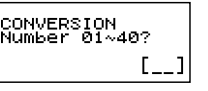
35	lbf/in² ▶ kPa	1 [lbf/in²] = 6.894757 [kPa]
36	kPa ▶ lbf/in²	1 [kPa] = (1/6.894757) [lbf/in²]
37	°F ▶ °C	t [°F] = (t – 32)/1.8 [°C]
38	°C ▶ °F	t [°C] = (1.8 × t + 32) [°F]
39	J ▶ cal	1 [J] = (1/4.1858) [cal] *
40	cal ▶ J	1 [cal] = 4.1858 [J]

#118 **LINE** 5cm = ? in

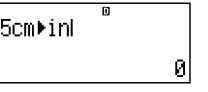
5



SHIFT 8 (CONV)



0 2 (cm▶in)



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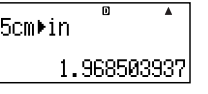
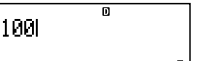
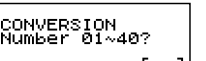


#119 [LINE] 100g = ? oz

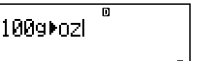
[1] [0] [0]



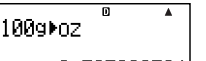
[SHIFT] [8] (CONV)



[2] [2] (g▶oz)

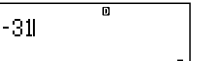


[=]

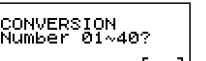


#120 [LINE] –31°C = ? °F

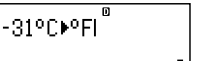
[(–)] [3] [1]



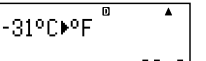
[SHIFT] [8] (CONV)



[3] [8] (°C▶°F)



[=]



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