

Casio fx-7700GE
Casio fx-9700GE
Casio CFX-9800G
Casio CFX-9850G

Simple Interest Program

This program can be used to find the amount of simple interest earned on a given principal at a given annual interest rate for a certain amount of time.

SIMPINT
 Fix 2↵
 “PRINCIPAL”?→P↵
 “INTEREST RATE”↵
 “IN DECIMAL FORM”?→R↵
 “NUMBER OF YEARS”?→T↵
 PRT→I↵
 “THE INTEREST IS”:I▲
 Norm

Quadratic Formula Program

This program will display the solutions of a quadratic equation or the words “No Real Solution.” To use the program, write the quadratic equation in general form and enter the values of a , b , and c .

Casio fx-7700GE

Solutions to quadratic equations are also available directly from the Casio calculator’s EQUATION MODE.

QUADRAT
 “ $AX^2+BX+C=0$ ”↵
 “A=”?→A↵
 “B=”?→B↵
 “C=”?→C↵
 B^2-4AC →D↵
 $D<0$ ⇒Goto 1↵
 $(-B+\sqrt{D})\div(2A)$ ▲
 $(-B-\sqrt{D})\div(2A)$ ↵
 Goto 2↵
 Lbl 1↵
 “NO REAL SOLUTION”↵
 Lbl 2

Casio fx-9700GE

Casio CFX-9800G

Casio CFX-9850G

Both real and complex answers are given. Solutions to quadratic equations are also available directly from the Casio calculator’s EQUATION MODE.

QUADRAT
 “ $AX^2+BX+C=0$ ”↵
 “A=”?→A↵
 “B=”?→B↵
 “C=”?→C↵
 B^2-4AC →D↵
 $(-B+\sqrt{D})\div(2A)$ ▲
 $(-B-\sqrt{D})\div(2A)$

Two-Point Form of a Line

This program will display the slope and y -intercept of the line that passes through two points, (x_1, y_1) and (x_2, y_2) , entered by the user.

TWOPTFM
 “ENTER X1, Y1”?→X:?:Y↵
 “ENTER X2, Y2”?→C:?:D↵
 $(D-Y)\div(C-X)$ →M↵
 $M\times(-X)+Y$ →B↵
 “SLOPE =”:M▲
 “Y-INT =”:B

Systems of Linear Equations Program

This program will display the solution of a system of two linear equations in two variables of the form

$$ax + by = c$$

$$dx + ey = f$$

if a unique solution exists. Solutions to systems of linear equations are also available directly from the Casio calculator's EQUATION MENU.

SOLVE

"AX+BY=C"↵

"A=": ? → A ↵

"B=": ? → B ↵

"C=": ? → C ↵

"DX+EY=F"↵

"D=": ? → D ↵

"E=": ? → E ↵

"F=": ? → F ↵

AE-DB=0 ⇒ Goto 1 ↵

"X=": (CE-BF) ÷ (AE-DB) ▲

"Y=": (AF-CD) ÷ (AE-DB) ↵

Goto 2 ↵

Lbl 1 ↵

"NO UNIQUE SOLUTION"↵

Lbl 2