

CLASSWIZ

360° Overview

Released in the US in 2023, the **fx-991CW** is the latest generation of advanced scientific calculators from Casio. The ClassWiz is mathematically feature-rich with a simple visual interface and a clean button layout.

Highlighted Features

The fx-991CW ClassWiz features a **high resolution gradient LCD**, increasing the clarity of graphics and symbols.

Tap the **HOME** button to navigate a menu of calculator's apps.

Lost? Wrong menu? Press the **BACK** key to back up one step.

All of the calculator's mathematical function templates, constants, conversions, and symbols are located in the **CATALOG**.

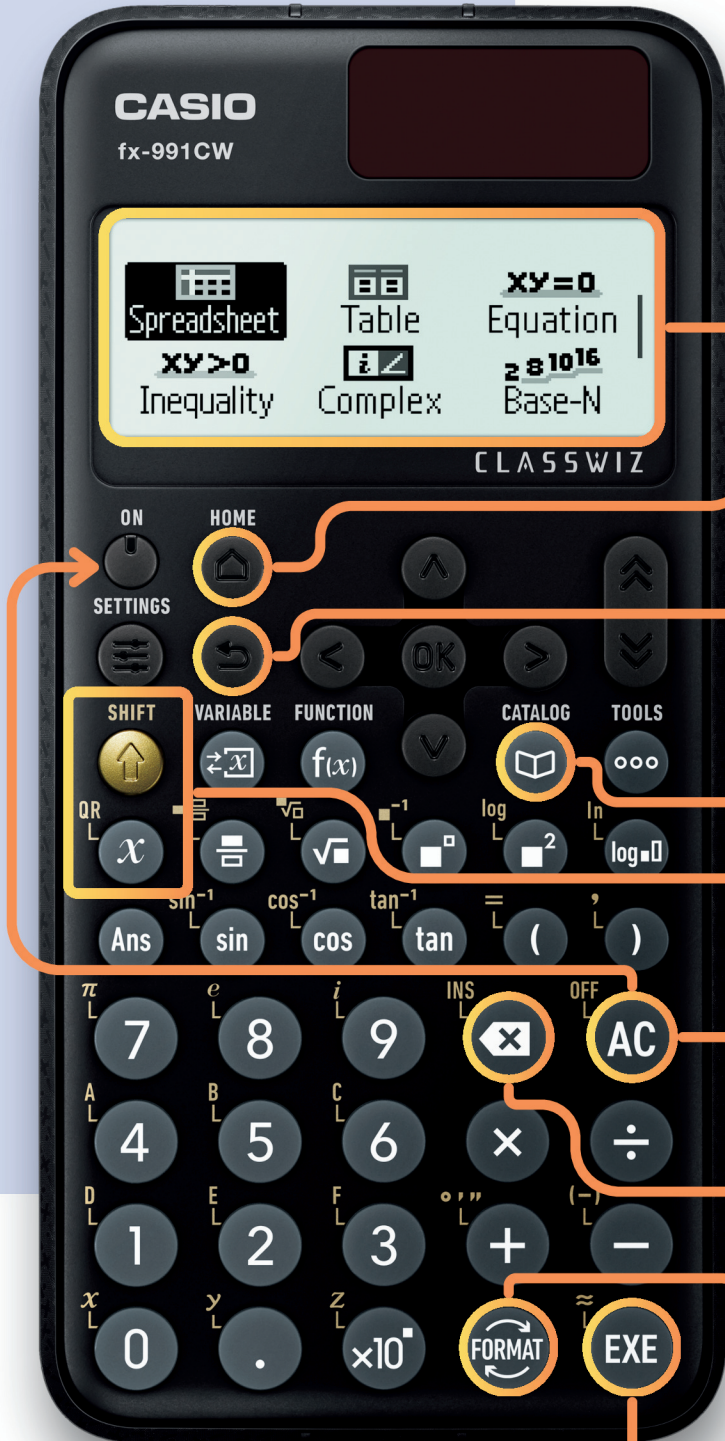
Pressing **SHIFT** then 'X' will create a QR code that, when scanned with an internet capable smart device, will **visualize results** (e.g. graphs, number lines, ...) via ClassPad.net. Works great with the Table app.

The device has a dedicated **ON** button in the top-left corner of the keypad. To turn **OFF** the device, press **SHIFT** and **AC**.

Whoops! Hit a wrong key while typing an expression? Hit **BACKSPACE** to delete the character immediately to the left of the cursor. Use the arrow keys to move the cursor.

The **FORMAT** key allows a user to toggle between representations for results (e.g., fractional, decimal, engineering notation).

EXECUTE is a multi-purpose key that executes commands and performs calculations.



Scan this QR code for:
 Technical specifications and exam approval
 published on casioeducation.com

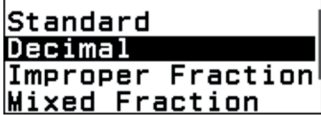
Flip for software walkthrough



1. Answer Format

Change an answer from a fraction to a decimal quickly using the **FORMAT** key.

(1) (5) (÷) (1) (0) (EXE) (FORMAT) (V) (OK)



2. Fraction Templates

Type fractions and mixed numbers in proper notation.

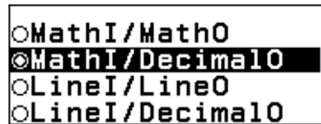
(FRACTION) (3) (V) (2) (>) (+) (↑) (FRACTION) (1)
(>) (1) (V) (2) (EXE)



3. Set Decimal Output

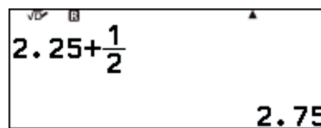
Configure the calculator to always provide decimal approximation for solutions.

(OK) (MENU) (>) (>) (V) (OK) (←) (←) (←)



Verify:

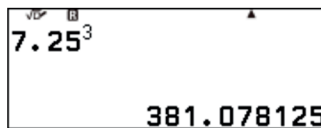
(2) (.) (2) (5) (+) (FRACTION) (1) (V) (2) (EXE)



4. Using Exponents

Use the exponent template to type a number with an exponent.

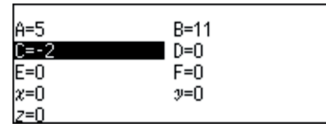
(7) (.) (2) (5) (EXP) (3) (EXE)



5. Store and Recall

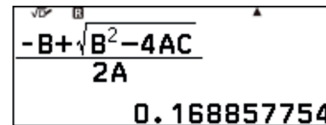
Store a value or expression as a variable in memory (up to 9).

(2) (EXE) (V) (OK) (5) (EXE) (>) (EXE) (V)
(OK) (1) (1) (EXE) (V) (<) (EXE) (V) (OK)
(↑) (-) (2) (EXE)

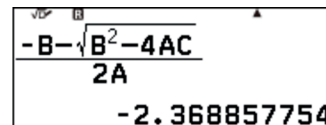


Enter a formula, e.g. quadratic:

(←) (←) (←) (←) (←) (5) (+) (√) (↑)
(5) (EXP) (-) (4) (↑) (4) (↑) (6) (V)
(2) (↑) (4) (EXE)



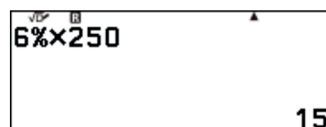
(←) (←) (←) (←) (←) (←) (←) (←) (EXE)



6. Percentages

Turn numbers into percentages using the % key, found in the **CATALOG** menu under Probability.

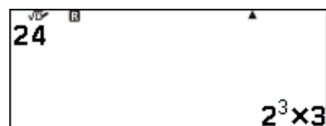
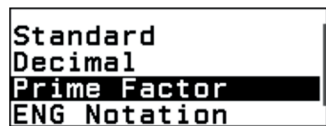
(6) (FRACTION) (V) (>) (EXE) (X) (2) (5) (0)
(EXE)



7. Prime Factorization

Write a number as a product of its prime factors with **FORMAT**.

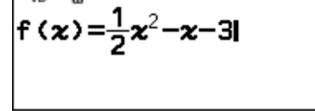
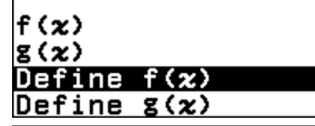
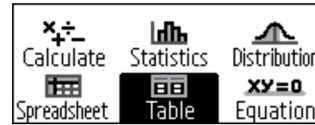
(2) (4) (EXE) (FORMAT) (V) (V) (EXE)



8. f(x) and g(x)

Define functions and then call them into the calculator's apps.

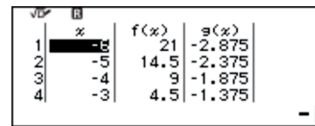
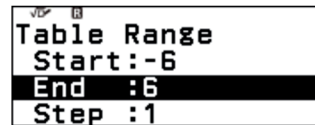
(>) (V) (EXE) (f(x)) (V) (V) (EXE) (F1)
(V) (2) (>) (X) (EXP) (-) (X) (-) (3)
(EXE) (f(x)) (V) (V) (V) (EXE) (F1) (V)
(2) (>) (X) (+) (F1) (1) (V) (8) (EXE)



9. Generate a table

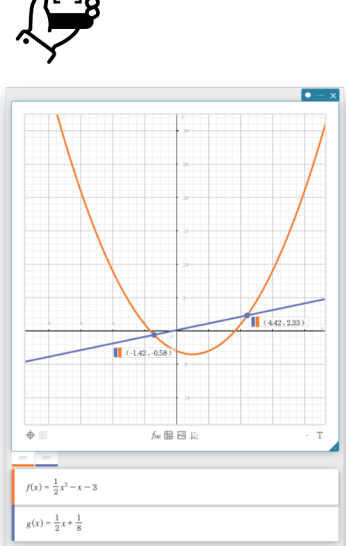
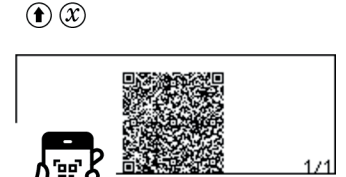
Use the **TOOLS** feature in the **Table App** to automatically generate a set of data.

(TABLE) (OK) (↑) (-) (6) (V) (EXE) (6) (EXE)
(V) (EXE)



10. Graph a data set

Use the calculator's **QR Code generator** to create a link that can be scanned by an internet capable phone or tablet. The data set is then visualized using Casio's **ClassPad.net** math tool.



On ClassPad.net, do further analysis by **finding roots, intersections, and more.**

* Data rates may apply by your Internet Service Provider.



Did you know?

All of the examples provided here were made using the free online emulator at [ClassPad.net](https://www.classpad.net).

These are just some of the **simple ways to get started** with your fx-991CW calculator.

The fx-991CW is **packed with features** and functions that make it the ideal calculation tool for Pre-Algebra, Algebra I & II, Calculus, Trigonometry, Chemistry, and Physics classes, and from middle school all the way through college and post-graduate studies.

Perform inequality calculations, statistics, distributions, use complex numbers, matrices, vectors, ratios, and explore probability.

Flip for hardware walkthrough

