

Programming the Quadratic Formula into a TI - 82 calculator

Hit PRGM key

Using right arrow, highlite NEW and hit ENTER

Give the program a name (i.e. QUAD) and hit ENTER

Hit PRGM key

Using right arrow, highlite I/O

Highlite Input and hit ENTER

Hit ALPHA key and then hit the letter A, then hit ENTER

Hit PRGM key

Using right arrow, highlite I/O

Highlite Input and hit ENTER

Hit ALPHA key and then hit the letter B, then hit ENTER

Hit PRGM key

Using right arrow, highlite I/O

Highlite Input and hit ENTER

Hit ALPHA key and then hit the letter C, then hit ENTER

Hit PRGM key

Using right arrow, highlite I/O

Using down arrow, Highlite Disp and hit ENTER

Type in the following formula:

$$(-B+\sqrt{B^2-4*A*C})/(2*A) \quad \text{and hit ENTER}$$

Hit PRGM key

Using right arrow, highlite I/O

Using down arrow, Highlite Disp and hit ENTER

Type in the following formula:

$$(-B-\sqrt{B^2-4*A*C})/(2*A) \quad \text{and hit ENTER}$$

To execute the program:

Hit 2nd and Quit to exit the editing of the program

Hit PRGM key

Highlite EXEC and use down arrow to highlite QUAD and hit ENTER

PRGMQUAD should show up at the top of the screen - hit ENTER

ENTER first coefficient after ? (i.e. 1) hit ENTER

ENTER second coefficient after ? (i.e. -5) hit ENTER

ENTER constant term after ? (i.e. 6) hit ENTER

The answers of 3 and 2 DONE should show up in the lower right corner of the screen.

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