Here are two different programs I found online for the TI-8x calculator. I don't know if these work but you may want to try and see which works best.

Program #1:

This program solves a quadratic equation of form
$Ax^2 + Bx + C = 0$.

INPUT: A, B, C
OUTPUT: Real or complex solutions

```
:ClrHome
:Disp "QUAD.FORMULA"
:Disp "AX²+BX+C=0"
:Disp "A="
:Input A
:Disp "B="
:Input B
:Disp "C="
:Input C
:B²-(4AC)→D
:Disp "DISCRIMINANT="
:Disp D
:Pause
:If D<0
:Goto 1
:(-B+√(D))/(2A)→E
:(-B-√(D))/(2A)→F
:Disp "ONE ROOT IS"
:Disp E
:Disp "OTHER ROOT IS"
:Disp F
:Goto 2
:Lbl 1
:
:Disp R
:Lbl 2
```

Program #2:
Quadratic Equation Program (TI83)

ClrHome
Disp "For AX^2+BX+C"
Prompt A
Prompt B
Prompt C
(4*A*C)→P
(B^2-P)^.5→S
(-B+S)/(2*A)→M

continued on next page

(-B-S)/(2*A)→N
Disp M,N

Example: Solve $X^2 + 3X - 10 = 0$
Run Program
For AX^2+BX+C
A=?1
B=?3
C=?-10

2.000
-5.000
DONE