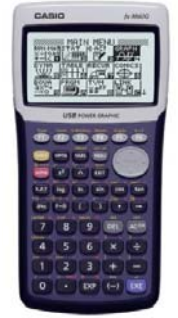


CASIO

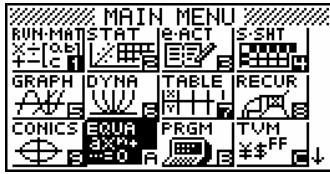
eLearning Activities



Solving Quadratic Equations

Example: Solve $3x^2 + 8x + 2 = 0$

1) **MENU**



2) Go to **EQUA** for **EQUA** and **EXE**

3) Push **F2** for **Polynomial**

4) Push **F2** for **Degree 2**

5) Place the equation in $ax^2 + bx + c = 0$ form and pick out a,b,c.
a = 3, b = 8, and c = 2

6) Type **3** for **a** and **EXE**

7) Type **8** for **b** and **EXE**

6) Type **2** for **c** and **EXE**

7) Push **F1** for **solve** and your two answers will appear: **-0.275** and **-2.387**

8) Push **F1** to repeat the work for another equation.

Practice Problems

1) $x^2 + 6x + 7 = 0$

2) $x^2 + 15 = 8x$

3) $5x^2 + 6x + 2 = 0$

Solutions

-1.585, -4.414

5,3

-0.6 + .2i, -0.6 - .2i