TI- 83 Graphing Calculator

**Imaginary numbers:**

Change mode to $a+bi$

2nd zero = *i* try $(3+2i)(4-3i)$

**Graphing:**

Table – tblst (independent – ask) for pulling in values

Calc- value, zero, min, max, intersect,

Window/zoom – in, out, standard, square, fit

Format

Piecewise functions try $y\_{1}=x-2/(x\leq 4)$

 $y\_{2}=x^{3}+1/(x>4)$

# Matrices-

NAME, MATH – det, rref, EDIT

 A-1, A -1B, +/-, mult/div

# Math –

NUM: Frac, abs,

# Tricks-

2nd ^ to darken screen

2nd Ans to pull down previous answer

2nd enter to pull down previous question

^ and x roots = cube root is math #4?

2nd test

# TI Programming: Quadratic formula

PGRM:NEW

”QUAD”

:Prompt A, B, C

:$(-b+\sqrt{(b^{2}}-4ac))/(2a)\rightarrow x$

:$ (-b-\sqrt{(b^{2}}-4ac))/(2a)\rightarrow y$

:Disp *X*

:Disp *Y*

\*Where **Prompt** and **Disp** are under **PRGM:I/O** and **→** is the **STO** button