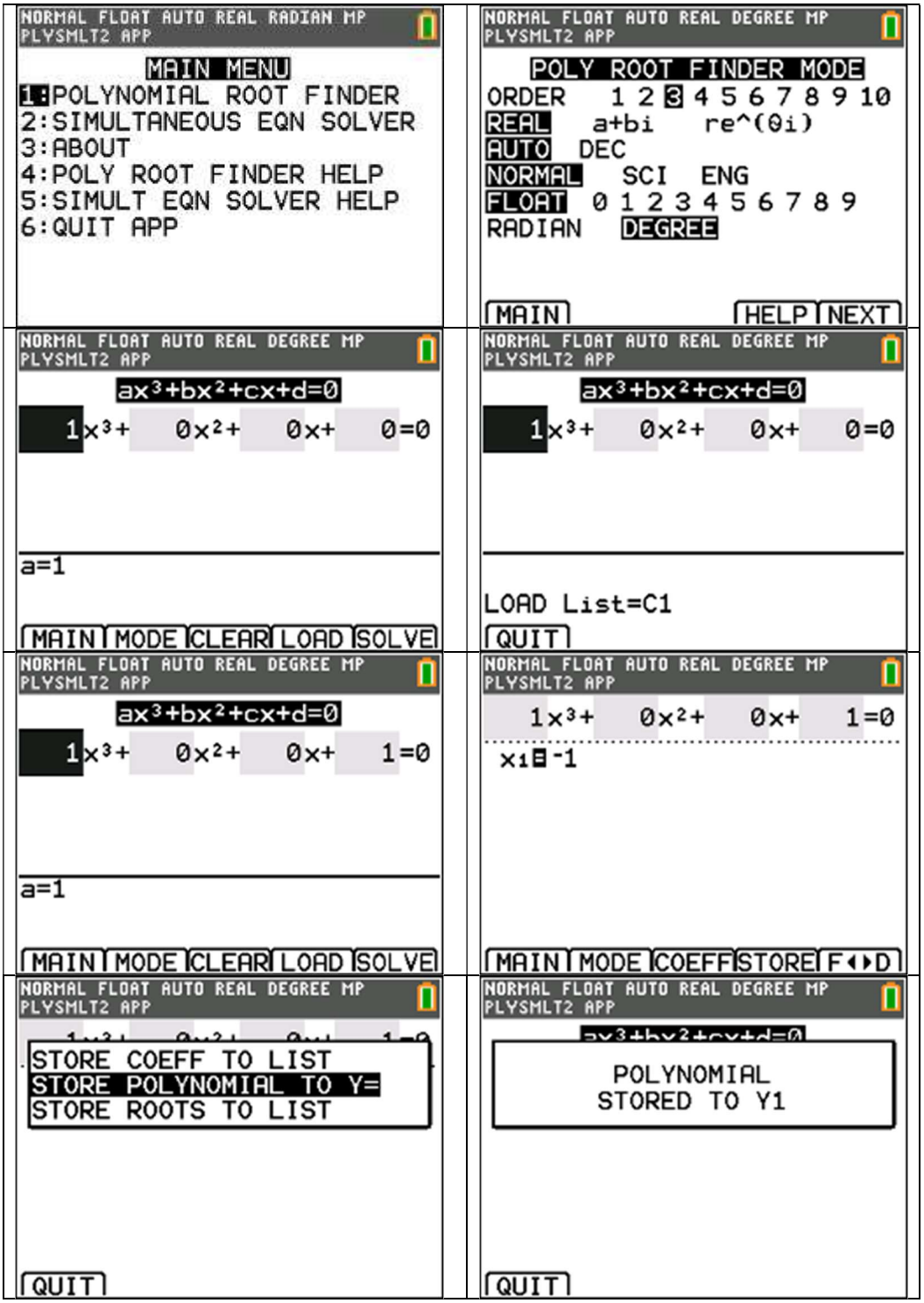
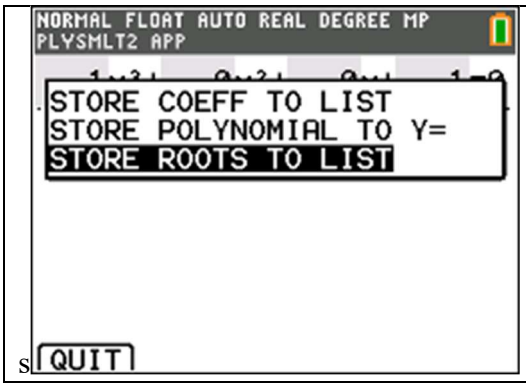
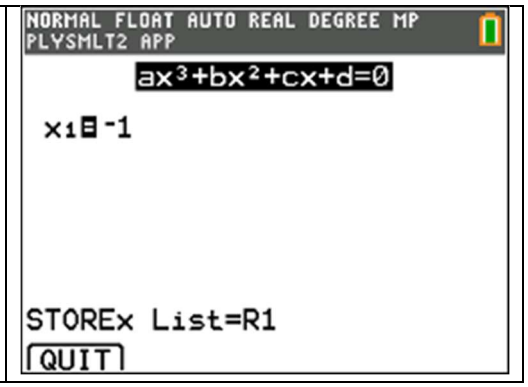
POLYNOMIAL ROOT FINDER







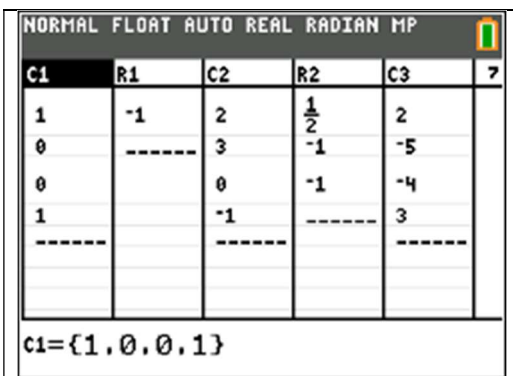
Repeat to store Y2, LR2, Y3, LR3 from LC2 and LC3 lists respectively.

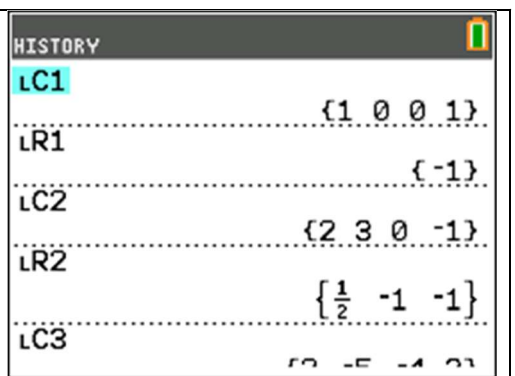
Investigate numerically from lists:

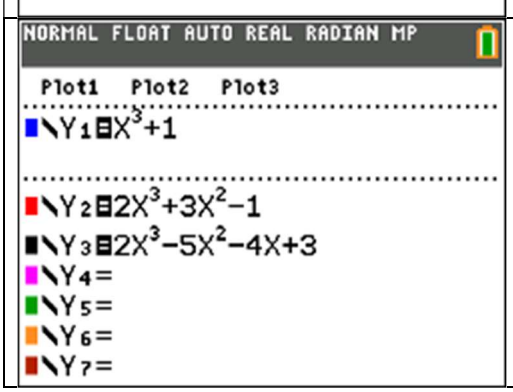
- Possible number of roots
- Value of roots (Rational Root Theorem)

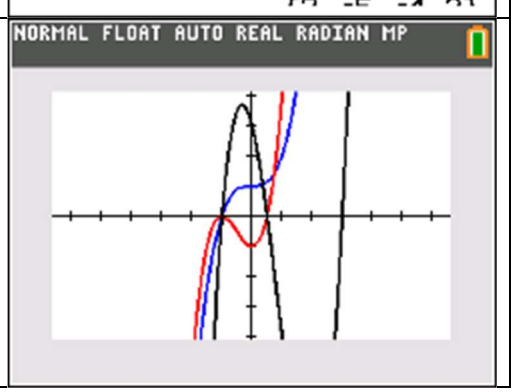
Then:

- Graphical check



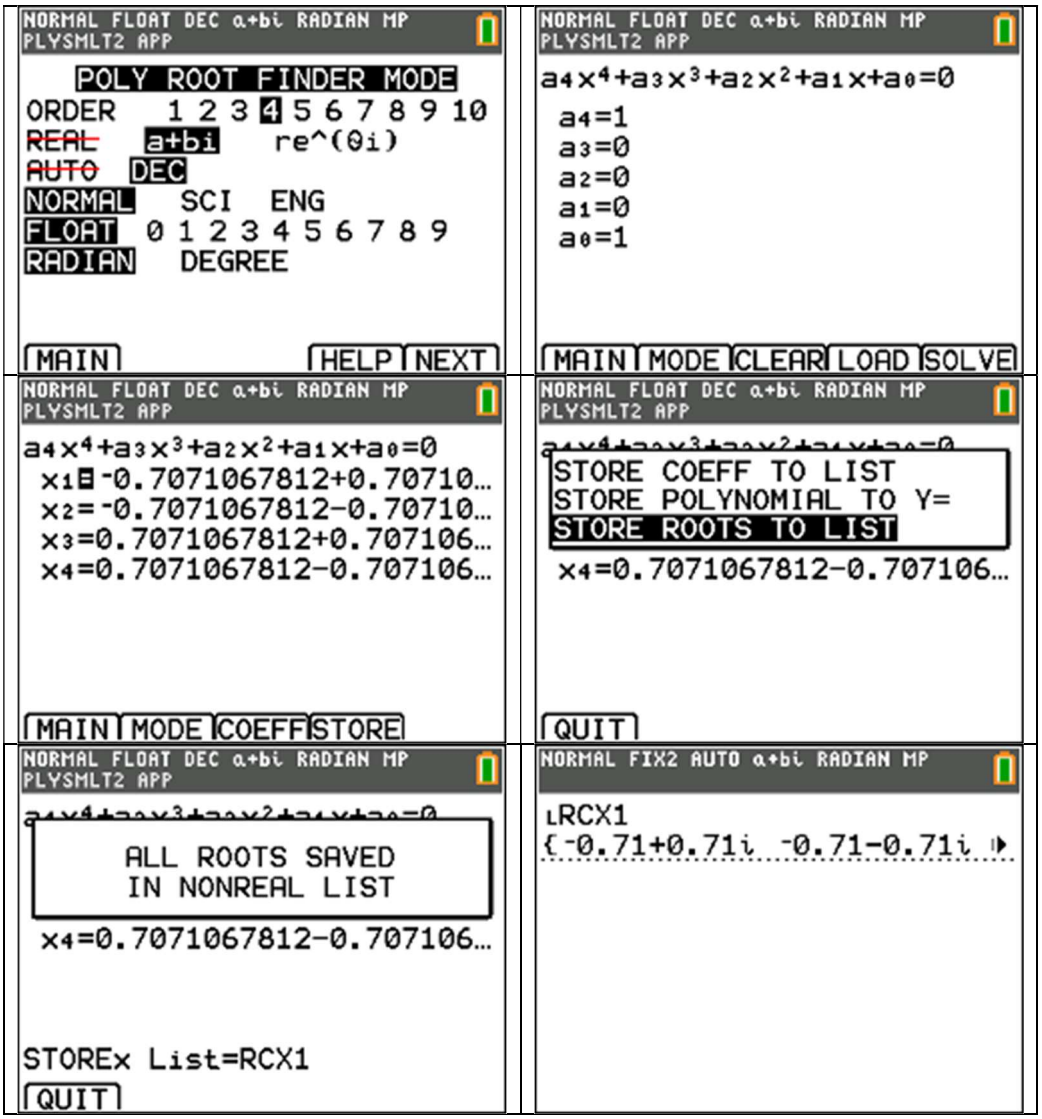




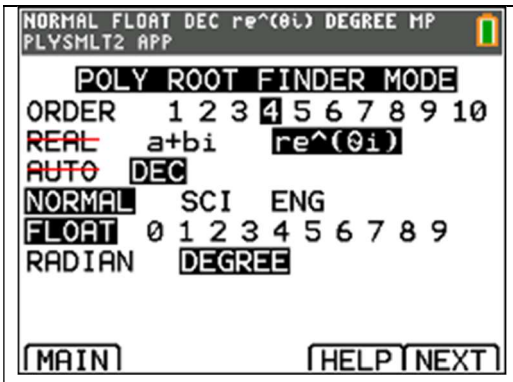


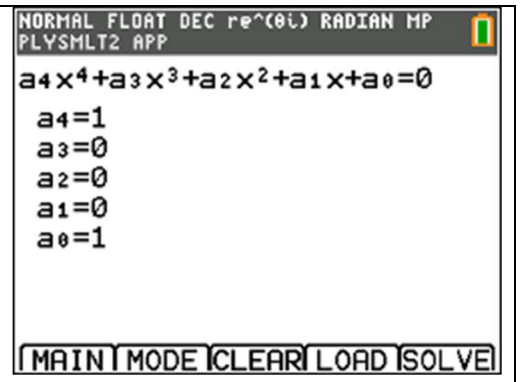
Complex roots:

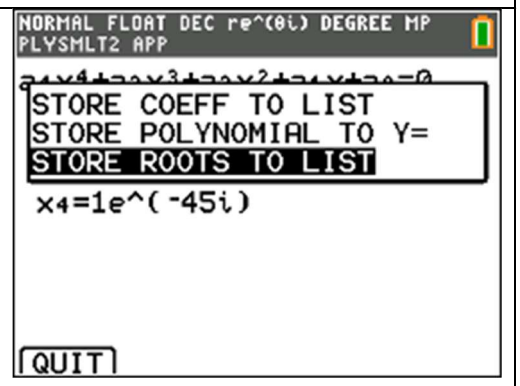
1. MODE - rectangular & radian

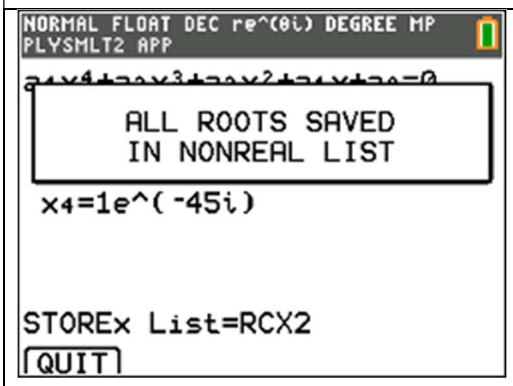


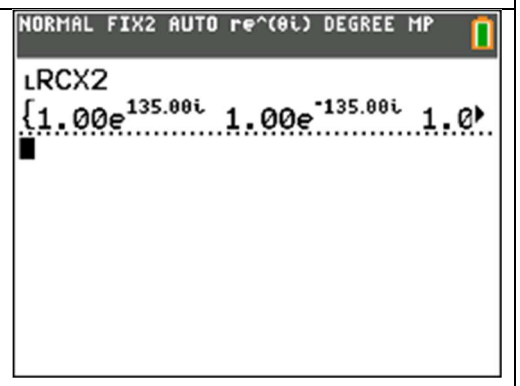
2. MODE - polar & degree





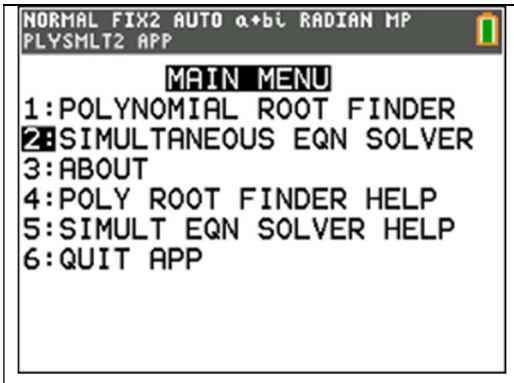


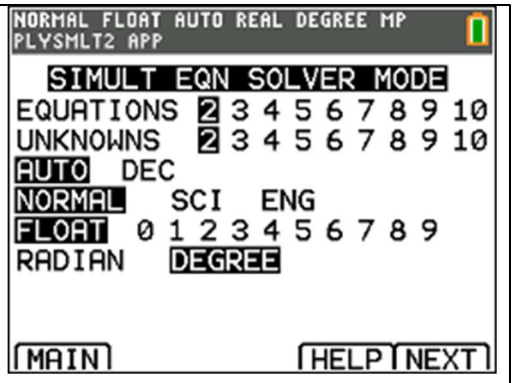


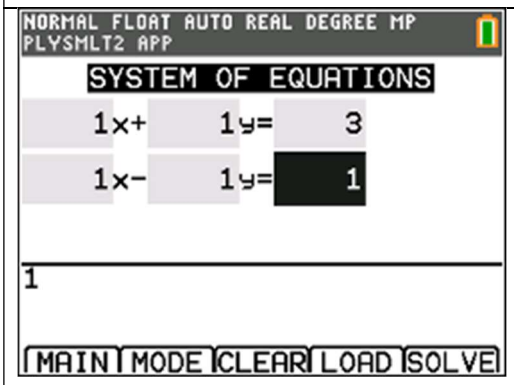


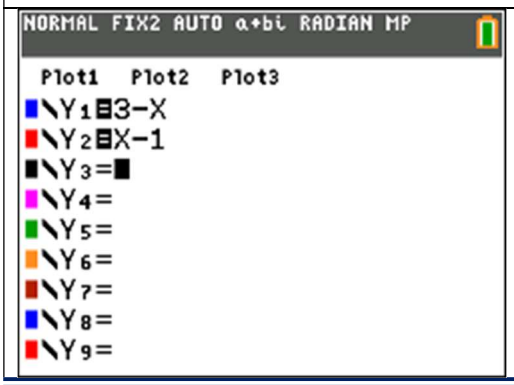
SIMULTANEOUS EQN SOLVER

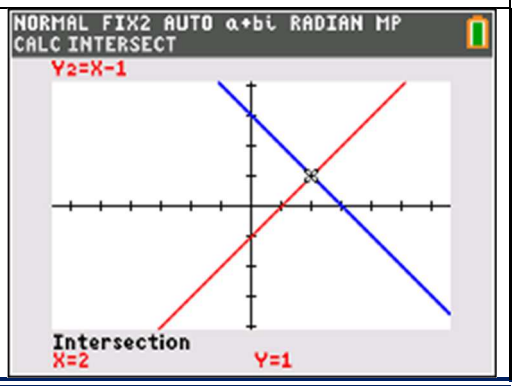
Unique solution



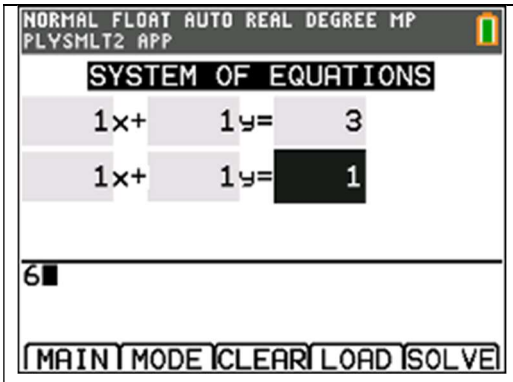




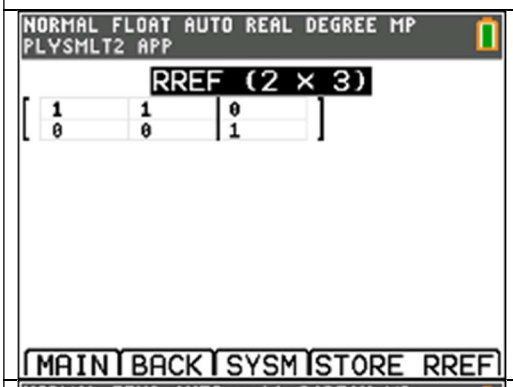


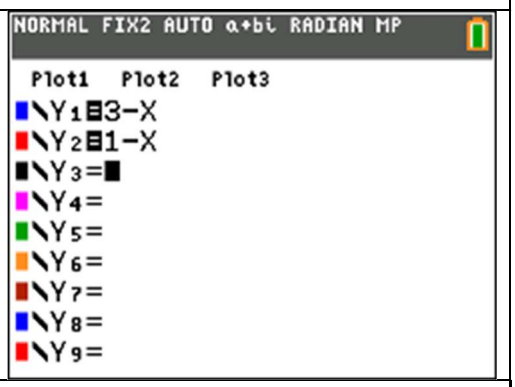


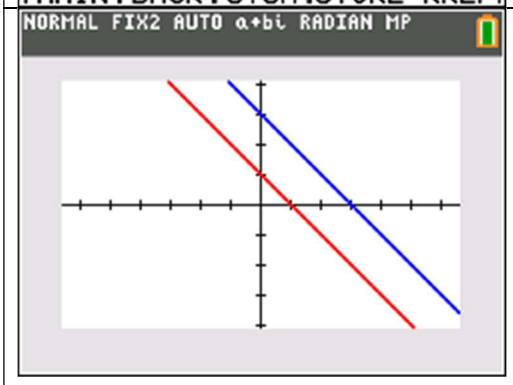
No solution


NORMAL FLOAT AUTO REAL DEGREE MP
PLYSMLT2 APP
SYSTEM OF EQUATIONS
1x+ 1y= 3
1x+ 1y= 1
6
MAIN MODE CLEAR LOAD SOLVE

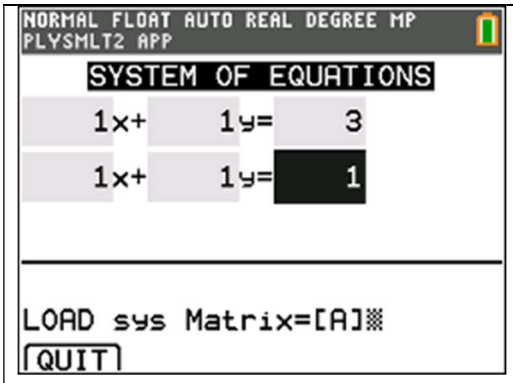
NORMAL FLOAT AUTO REAL DEGREE MP
PLYSMLT2 APP
NO SOLUTION FOUND
MAIN MODE SYSM RREF

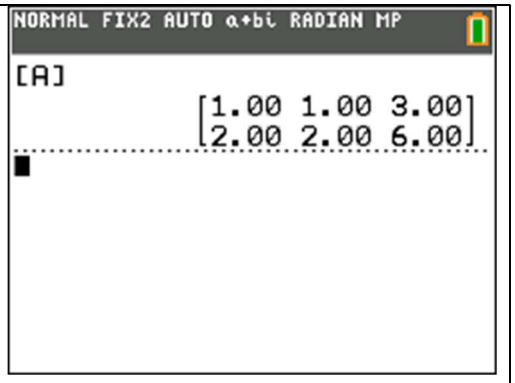

NORMAL FLOAT AUTO REAL DEGREE MP
PLYSMLT2 APP
RREF (2 × 3)
1 1 0
0 0 1
MAIN BACK SYSM STORE RREF

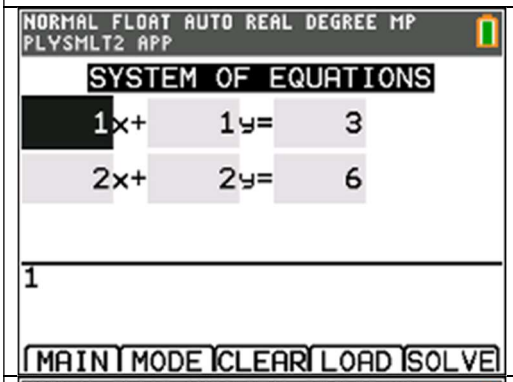

NORMAL FIX2 AUTO a+bi RADIAN MP
Plot1 Plot2 Plot3
Y1=3-X
Y2=1-X
Y3=
Y4=
Y5=
Y6=
Y7=
Y8=
Y9=

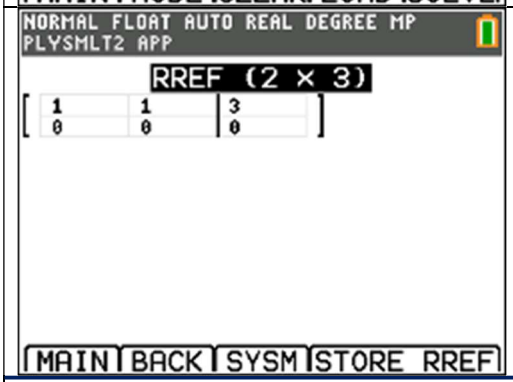

NORMAL FIX2 AUTO a+bi RADIAN MP

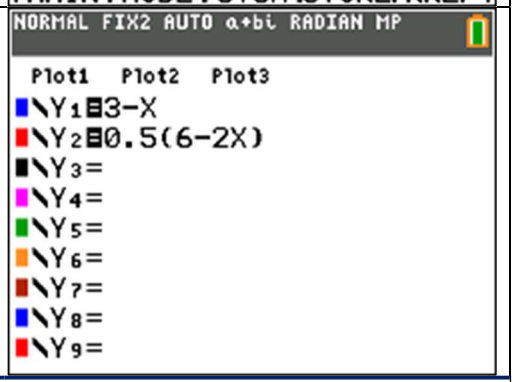
Infinite number of solutions & loading a coefficient matrix

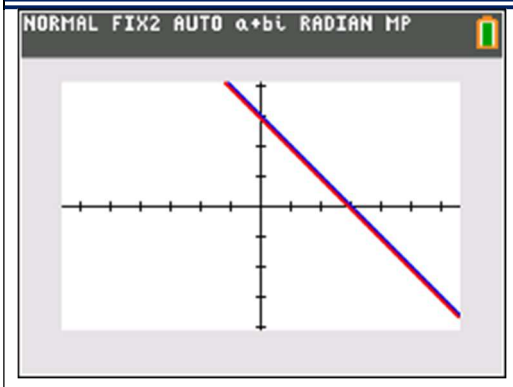
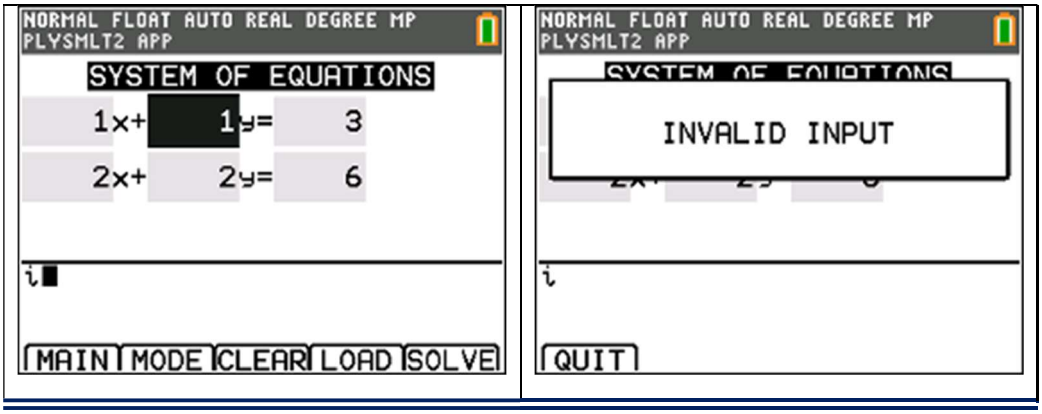












Imaginary entries invalid