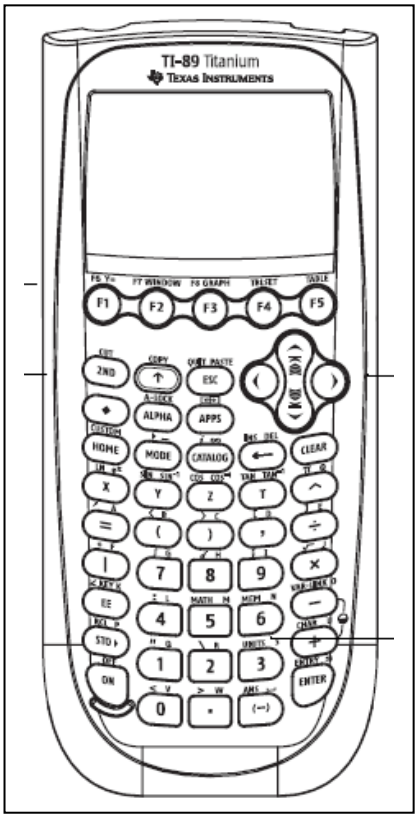
Solving Matrix Equations Using the Ti-89 Titanium

By David Kassebaum, MET Department

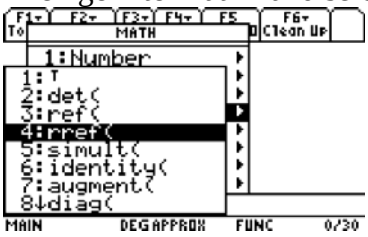
We will begin by solving these equations.

3x + 4y = 1 Note: the solution is x = 0.714, y = -0.286
2x - 2y = 2

First go to the math menu by pressing 2nd, MATH.

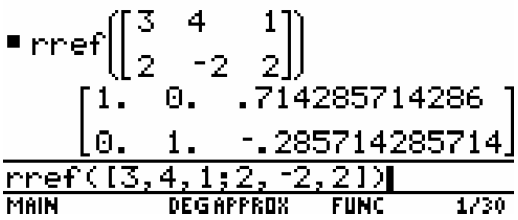


Then go into Matrix and select the rref(Function.



Then type the matrix as shown.

Press the Enter button and the answers should appear. This method will also work for 3X3 matrices.



We have successfully solved the set of equations. The solution is:

X= 0.714285714286

Y= -0.285714285714