

**Math 125
Ravenwood**

TI 83/84 Matrix Instructions

To Input a Matrix:

1. Press 2nd and the MATRIX button (3rd row down, 2nd button in)
2. Press the right arrow key twice to scroll over to the EDIT menu
3. Use the up/down arrow keys to scroll to the letter where you would like the matrix to be stored, and press ENTER
4. Input the number of rows in the matrix and press ENTER
5. Input the number of columns in the matrix and press ENTER
6. Input the elements in the matrix, reading across the rows, pressing ENTER after each element
7. When you're finished inputting elements, make note of the letter where your matrix is stored (this will be displayed at the top of the screen), and press 2nd MODE to quit to the main screen

To Put an Augmented Matrix in Reduced Row-Echelon Form (rref):

1. Input the augmented matrix according to the procedure above
2. When at the main screen, press 2nd MATRIX
3. Press the right arrow key once to scroll over to the MATH menu
4. Press the down arrow key to scroll down until "rref" is highlighted (note: this is the one with 2 r's), and press ENTER
5. On your screen, you should see rref(
6. Press 2nd MATRIX, and scroll down until the matrix you want to rref is highlighted and press ENTER
7. Close the parentheses by pressing)
8. Press ENTER
9. The calculator will now display the reduced row-echelon form of the matrix