

To enter a matrix in your calculator

You need the **MATRIX** which is above the x^{-1} button. Press **2nd** x^{-1} . Now move to the edit menu using the right arrows. Hit enter and this will edit Matrix A. If you need to edit or enter a different matrix move down your list.

Enter the correct dimensions of the matrix. Now enter each element of the matrix pressing **ENTER** each time.

After entering the last element, the Matrix is now in your calculator. Now press **2nd****MODE** to **[QUIT]**.

To perform operations on your matrices.

To row reduce:

You need the **MATRIX** which is above the x^{-1} button. Press **2nd** x^{-1} . Now move to the MATH menu using the right arrow. Scroll down the list to **rref**. This stands for row reduced echelon form. Press **ENTER**. You now have to enter the matrix inside the rref function. Press **2nd** x^{-1} to again get to **MATRIX** select the matrix to be row reduced from the NAMES list. Press **ENTER** and close parenthesis. Press **ENTER** and the matrix is row reduced. To get fractions instead of decimals press **MATH** and select **Frac** and press **ENTER**. Press **ENTER** again and this converts to fractions.

To add/subtract or multiply matrices:

Call up the matrix. Press **2nd** x^{-1} to again get to **MATRIX** select the matrix. Press **ENTER**. Now press **+**, **-** or **×** depending on the operation then call up second matrix . Press **2nd** x^{-1} to again get to **MATRIX** select the matrix. Press **ENTER** twice and you have the sum, difference or product.