**Calculator Reminders:**

**Matrices-** used for operations with matrices, finding inverses, determinants, or solving systems.

To input data: 2nd🡪x-1🡪Edit🡪input data into matrix (make sure to have correct dimensions)🡪2nd mode to quit🡪2nd 🡪x-1🡪Math🡪select needed operation🡪enter🡪2nd🡪x-1🡪select matrix your data is in

\*Use rref to solve for systems

**Zeros-** use for quadratics, polynomial functions, application problems where they reference how long to reach the ground, etc.

Graph the equation🡪 check the table to see if there are integer values that are zeros🡪 if not, 2nd🡪trace🡪2) zero🡪select value to the left for left bound🡪enter🡪select value to the right for right bound🡪enter🡪enter to guess

\*remember anything that references time should be a positive x value for application problems

\*use zeros of polynomial functions found in the table to complete synthetic division/find factors/etc

**Maximum and Minimum**- same process for finding zero, just select 3 or 4 from the menu and mark values to the left and right of the vertex instead of the x-axis.

**To find a root greater than a square root**-Math🡪option 4 for cube root

Math🡪 option 5 for greater than cube root (must put number in first if you have a TI-83)

**Graphing-** absolute value, greatest integer functions found in Math menu (1 and 5)

**Probability-** Math🡪 PRB🡪 Permutations-order matters (nPr) or 🡪Combinations-order doesn’t matter (nCr) or 🡪factorial- 4) !

If you have a TI-84 that will do:

* summation/Sigma notation for series: Math 🡪 0) Summation plug in values
* Logs of different bases: Math 🡪 A logBASE