

SQUARE MATRIX

IDENTITY MATRIX

INVERSE MATRIX

FINIDNG THE INVERSE OF A SQUARE MATRIX (BY HAND)

FINIDNG THE INVERSE OF A SQUARE MATRIX (USING THE CALCULATOR)

To enter a matrix on your calculator,

TI-83: press MATRX arrow right (twice) to EDIT  
slect a matrix A – J  
enter row dimension arrow right and enter column dimension  
arrow down and enter your entries by rows, press enter to get to next spot.  
2<sup>nd</sup> QUIT

TI-83 PLUS: press 2<sup>nd</sup> x<sup>-1</sup> and follow the above directions

To access a stored matrix on your calculator (TI-83) press MATRX (TI-83 PLUS) press 2<sup>nd</sup> x<sup>-1</sup>  
then select the matrix A – J that you want. You will see the matrix name in  
brackets [] in your normal screen.

To multiply matrices:

$[A] * [B]$

To find the inverse of an invertible square matrix

$[A]^{-1}$  (you get the -1 by pressing the x<sup>-1</sup> key)