**8.3 Inverses of Square Matrices**

Inverse of a matrix = where

Ex: Show that *B* is the inverse of *A*

**Finding the inverse of a matrix**

Ex: find the inverse of

Ex: find the inverse of

(can’t divide by 0)

**Finding the inverse of a matrix (or larger)**

We will use the matrix abilities of our calculator to find the inverse of a matrix (or larger)

Ex: find the inverse of Enter the matrix into matrix A

=

**Solving a system of equations using an inverse matrix**

Ex: