





Condition of Multiply!
Width A equal to height of B.

What AB represents (meaning of multiplication) &-

Les doing first the transformation B, then transformation A.

you multiply things Right to left.

A (BX) - associativity

X is some vector, that they want to transform.

Notes matrix product is associative.

Los Bx means we apply the transformation B to X. then, multiplying by A means we apply the transform

Notes AB & BA!!

(transformation from itself). Identity Matrix 6

$$\begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 \\ 0 & 0 \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \\ x_3 \end{bmatrix} = \begin{bmatrix} x_1 \\ x_2 \\ x_3 \end{bmatrix}$$





