visualizing matrix multiplication

$$A \times B = C$$
A

B

C = AB
C = AB
$A \times B = C$
C = AB
\[ C = AB \]
C = AB
this region must be square in order for matrix multiply to work (i.e., number of columns in A is equal to number of rows in B
C = AB
C = AB
\[ C = AB \]
A

B

C = AB