Keeper #2: Multiplying Matrices

A = B = C =

1. 2. 3.

4. See if you can figure out the pattern in order for this to make sense!

x =

To multiply an \_\_\_\_\_\_\_\_\_\_\_ matrix by an \_\_\_\_\_\_\_\_\_ matrix, the ns must be the same, and the result is

an \_\_\_\_\_\_\_\_\_\_\_\_ matrix.

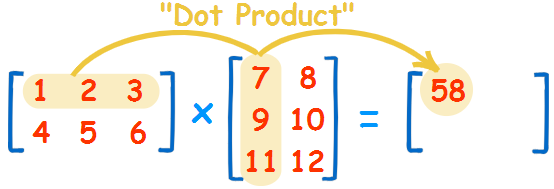
State the resulting dimensions (if possible) if multiplying the following matrices:

a) b) c)

Matrix B

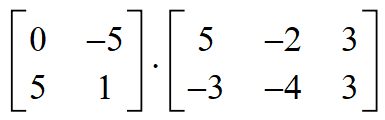
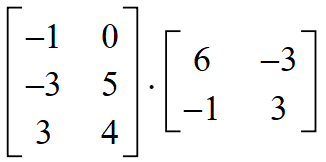
Matrix A

x = =

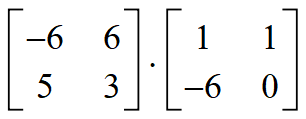
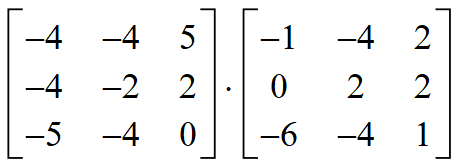


x = =

Ex. 1 Ex. 2

Ex. 3 Ex. 4

\*Multiply any square matrix by for a 2x2 or for a 3x3 and see what happens