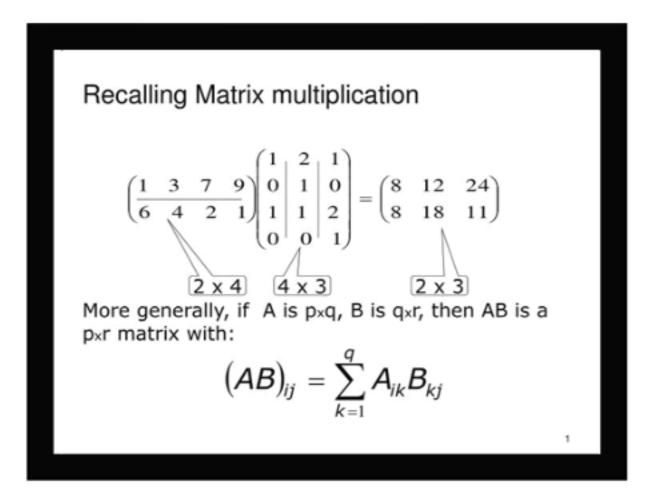
Sample Problem 3

The purpose of these practice problems is to apply what the student has learned as well as to aid in retention. **This is not for a grade!** However, if the student completes all the sample problems, the student will be able to turn all sample problems in for extra credit worth 50 points at the end of the course.

1 Matrices and Vectors

Create two Matrices A for the left matrix and B for the right (refer to the figure on the slide). Multiply Matrices A and B to attain result. Now transpose the result. Add that result to $C = transpose([1\ 1\ 2;\ 2,\ 3,\ 4])$ and assign to D. Now take the dot product C and D and assign to E. Have the answer display only the first 3 components.



Note: See ExampleProgram4_Matrices.m