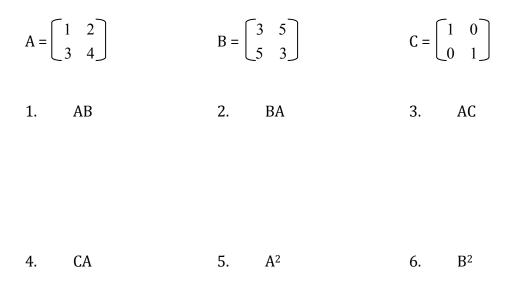
Advanced Algebra II - Assignment 4-3

Use the following matrices for Problems 1-9.



7. Is multiplication of matrices commutative? In other words, does the order of the matrices matter in matrix multiplication?

- 8. Does the order of the matrices matter in matrix multiplication if one of two matrices multiplied is the identity matrix?
- 9. Find C¹⁰⁰

Use the matrices below to answer questions 10 -12 $\,$

$$A = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix} \qquad B = \begin{bmatrix} -2 & 1 \\ 1.5 & -0.5 \end{bmatrix} \qquad C = \begin{bmatrix} -1 & 3 \\ 5 & -2 \end{bmatrix}$$

10. AB 11. BA

12. ABC

Review

Solve for x and y.

13.	2x + y = 7	14.	5x - y = 12
	-3x + y = -4		2x + 2y = 6