

Math 2013 - Introduction to Discrete Mathematics

Quiz #7 - 2005.09.30

Name: _____

Consider the following matrices:

$$A = \begin{bmatrix} 2 & 3 \\ -1 & 4 \\ 5 & 3 \end{bmatrix}, \quad B = \begin{bmatrix} 3 & 4 & 1 \\ 4 & 3 & 2 \\ 1 & -5 & -2 \end{bmatrix}, \quad C = \begin{bmatrix} 2 & 3 & -1 & 3 \\ -1 & 2 & -4 & 2 \\ -5 & -3 & 2 & 1 \end{bmatrix}$$

Perform the following operations, if possible. If you cannot, explain why.

1. AB

2. BA

3. B^2

4. BC

5. AC