

Math 4133 - Linear Algebra

Quiz #2 - 2014.01.22

Name: _____

Consider the following matrices:

$$A = \begin{bmatrix} 1 & 2 & -3 \\ 8 & 9 & 0 \\ -4 & 1 & 3 \end{bmatrix}, \quad B = \begin{bmatrix} 1 & 0 & -1 \\ 2 & -2 & 1 \\ 0 & 1 & 3 \end{bmatrix}, \quad C = \begin{bmatrix} 2 & -1 & 4 \\ 0 & 5 & -1 \end{bmatrix}, \quad D = \begin{bmatrix} 2 & -1 \\ 0 & 5 \end{bmatrix}$$

Which of the following operations are performable?

1. $A + B$

2. AB

3. AC

4. $C - D$

5. DC

6. $A + C$

7. CBD

8. DCB

9. $DCAB$

10. $BCAD$