

The person who does the work is the only one who learns.

$$A = \begin{bmatrix} -2 & 4 & -7 & 8 \\ -10 & 16 & 4 & 9 \end{bmatrix}$$

$$B = \begin{bmatrix} 11 & 24 & -33 & 4 \\ 20 & -30 & 18 & -7 \end{bmatrix}$$

$$C = \begin{bmatrix} -8 & 5 \\ 14 & -8 \\ -7 & 3 \\ -2 & -5 \end{bmatrix}$$

$$D = \begin{bmatrix} -8 & 5 \\ 14 & -8 \\ -7 & 3 \\ -2 & -5 \end{bmatrix}$$

Perform the following operations. If the operation cannot be performed, state why.

1. $A + B$

2. $A - B$

3. $C + D$

4. $B + A$



5. $A + D$

6. $2A$

7. $A + 3B$

8. $C - 2B$

9. Does $2C = C + D$? Explain your reasoning.

10. a) Write out the matrix for $-C$.

b) Find $-C + C$

c) What is the additive inverse of C ?

11. a) What are the dimensions of Matrix D ?

b) What are the dimensions of Matrix B ?