

Learning Objectives.

- 1) Students will perform operations Matrices.

Please watch the following videos from the internet.

<http://www.virtualnerd.com/algebra-2/matrices/operations/add-subtract/add-example>

<http://www.virtualnerd.com/algebra-2/matrices/operations/add-subtract/subtract>

<http://www.virtualnerd.com/algebra-2/matrices/operations/scalar-multiplication/scalar-multiply-example>

Please complete the following Problems.

1) Given $[A] = \begin{bmatrix} 1 & 2 \\ -2 & 1 \end{bmatrix}$, $[B] = \begin{bmatrix} 0 & -2 \\ 3 & -1 \end{bmatrix}$ and $[C] = \begin{bmatrix} -3 & 2 & 1 \\ 2 & 0 & -2 \end{bmatrix}$.

Perform the following operations if possible. Please show your please work.

a. $[A] + [B]$

b. $[A] + [C]$

c. $[A] - [B]$

d. $\frac{1}{2}[B]$

e. $2[C]$

f. $5[B] - 3[A]$

Congrats. You have just completed Blizzard Bag #2