

Given the following matrices, perform the indicated operation when possible.

$$A = \begin{bmatrix} 3 & 1 \\ 5 & -2 \end{bmatrix} \quad B = \begin{bmatrix} 7 & 2 & 1 \\ 6 & -4 & 3 \end{bmatrix} \quad C = \begin{bmatrix} -5 \\ 3 \\ 7 \end{bmatrix} \quad D = \begin{bmatrix} 0 & -7 \\ 8 & -3 \\ -5 & 9 \end{bmatrix} \quad E = \begin{bmatrix} 4 & 8 \\ -6 & 2 \end{bmatrix}$$

5. AB

6. BC

7. AC

8. DA

9. $-\frac{1}{2}EA$

10. DB