



Define the matrices

$$A = \begin{pmatrix} 2 & 1 & -1 \\ 1 & -1 & 1 \end{pmatrix}, B = \begin{pmatrix} 4 & -2 & 1 \\ 2 & -4 & -2 \end{pmatrix}, C = \begin{pmatrix} 1 & 2 \\ 2 & 1 \end{pmatrix}, D = \begin{pmatrix} 3 & 4 \\ 4 & 3 \end{pmatrix},$$

$$E = \begin{pmatrix} 1 \\ 2 \end{pmatrix}.$$

Compute if defined:

$$\overset{1}{B} - \overset{2}{2A}, \overset{3}{3C} - \overset{4}{E}, \overset{5}{AC}, \overset{4}{CD}, \overset{5}{CB}.$$

$$\textcircled{1} \begin{pmatrix} 4 & -2 & 1 \\ 2 & -4 & -2 \end{pmatrix} - 2 \begin{pmatrix} 2 & 1 & -1 \\ 1 & -1 & 1 \end{pmatrix}$$

$$= \begin{pmatrix} 4 & -2 & 1 \\ 2 & -4 & -2 \end{pmatrix} - \begin{pmatrix} 4 & 2 & -2 \\ 2 & -2 & 2 \end{pmatrix}$$

Mark as completed

pdfelement

