



Subtract matrices

- 1** Choose the result with the highlighted row filled in correctly.

A

$$\begin{bmatrix} ? & ? \\ 13 & -16 \\ ? & ? \\ ? & ? \end{bmatrix}$$

B

$$\begin{bmatrix} ? & ? \\ -6 & 12 \\ ? & ? \\ ? & ? \end{bmatrix}$$

- 2** Choose the result with the highlighted entry filled in correctly.

A

$$\begin{bmatrix} ? & ? \\ -14 & ? \\ ? & ? \end{bmatrix}$$

B

$$\begin{bmatrix} ? & ? \\ 7 & ? \\ ? & ? \end{bmatrix}$$

- 3** Which expression gives the value of the highlighted entry?

A

$$(-7) - (-3)$$

B

$$(-7) - 5$$

- 4** Find the result of $A - B$, or choose [undefined] if it cannot be computed.

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

$$[8pt] A - B = [?]$$

A

$$\begin{bmatrix} -7 & -8 \\ 4 & 4 \\ -2 & -11 \\ 7 & 10 \end{bmatrix}$$

B

$$\begin{bmatrix} -1 & -8 \\ -4 & -10 \\ 16 & -7 \\ 9 & -2 \end{bmatrix}$$



Subtract matrices

- 5 Find the result of $A - B$, or choose [undefined] if it cannot be computed.

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

[8pt] $A - B = [?]$

A $\begin{bmatrix} -3 & -10 & -14 & 1 \\ -6 & 0 & 0 & 12 \end{bmatrix}$

B [undefined]

C $\begin{bmatrix} -3 & -10 & -14 & 1 \\ -6 & -1 & 0 & 12 \end{bmatrix}$

D $\begin{bmatrix} -1 & 8 & -2 & -15 \\ -2 & 15 & -10 & 6 \end{bmatrix}$

- 6 Find the result of $A - B$, or choose [undefined] if it cannot be computed.

$$A = \begin{bmatrix} 2 & 1 \\ -5 & -3 \end{bmatrix} \quad B = \begin{bmatrix} -3 & -6 \\ -5 & -7 \end{bmatrix}$$

[8pt] $A - B = [?]$

A [undefined]

B $\begin{bmatrix} -1 & -5 \\ -10 & -10 \end{bmatrix}$

C $\begin{bmatrix} 5 & 7 \\ 0 & 5 \end{bmatrix}$

D $\begin{bmatrix} 5 & 7 \\ 0 & 4 \end{bmatrix}$

- 7 Find the result of $A - B$, or choose [undefined] if it cannot be computed.

$$A = \begin{bmatrix} -5 & 7 \\ 1 & 8 \end{bmatrix} \quad B = \begin{bmatrix} 0 & -8 \\ 1 & 2 \\ -7 & -9 \end{bmatrix}$$

[8pt] $A - B = [?]$

A $\begin{bmatrix} -5 & 15 \\ 0 & 6 \end{bmatrix}$

B [undefined]

C $\begin{bmatrix} 2 & 8 \\ -9 & 3 \\ -3 & 6 \end{bmatrix}$