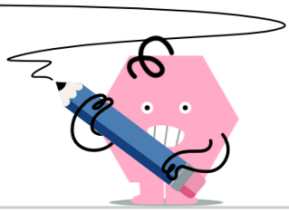
Name



# Add matrices

**1** Which expression gives the value of the highlighted entry?

A

$5+6$

B

$6+(-7)$

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

A

$$\begin{bmatrix} 11 & ? & ? \\ ? & ? & ? \end{bmatrix}$$

B

$$\begin{bmatrix} 2 & ? & ? \\ ? & ? & ? \end{bmatrix}$$

**3** Choose the result with the highlighted column filled in correctly.

A

$$\begin{bmatrix} ? & ? & 5 & ? \\ ? & ? & 3 & ? \end{bmatrix}$$

B

$$\begin{bmatrix} ? & ? & 7 & ? \\ ? & ? & -1 & ? \end{bmatrix}$$

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

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

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

A

$$\begin{bmatrix} -2 & 2 & 0 \\ 1 & 11 & 3 \\ -1 & 7 & -14 \end{bmatrix}$$

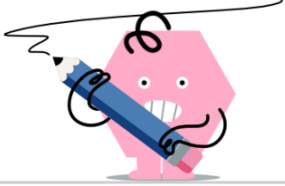
B

$$[\text{undefined}]$$

C

$$\begin{bmatrix} -2 & 2 & 0 \\ 1 & 11 & 3 \\ -1 & 8 & -14 \end{bmatrix}$$

Name



# Add matrices

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

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

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

A

$$\begin{bmatrix} 7 & 9 & -6 & 18 \\ -1 & -9 & 4 & -14 \end{bmatrix}$$

B

$$\begin{bmatrix} 9 & -7 & -2 & 0 \\ -1 & 9 & -10 & -2 \end{bmatrix}$$

C

$$[\text{undefined}]$$

D

$$\begin{bmatrix} 7 & 9 & -6 & 17 \\ -1 & -9 & 4 & -14 \end{bmatrix}$$

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

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

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

A

$$\begin{bmatrix} -1 & -8 & 12 \\ 1 & 9 & -14 \end{bmatrix}$$

B

$$\begin{bmatrix} -1 & -8 & 12 \\ 1 & 8 & -14 \end{bmatrix}$$

C

$$\begin{bmatrix} -13 & 8 & 6 \\ -9 & -10 & 4 \end{bmatrix}$$

D

$$[\text{undefined}]$$

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

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

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

A

$$\begin{bmatrix} -3 & -12 \\ 3 & 11 \\ 10 & 0 \\ -1 & -17 \end{bmatrix}$$

B

$$\begin{bmatrix} -3 & -12 \\ 2 & 11 \\ 10 & 0 \\ -1 & -17 \end{bmatrix}$$