



Name: _____

Date: _____

ID: A

Adding Matrices

Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

____ 1. Add the following matrices: $\begin{bmatrix} 7 & 3 & 7 \\ -1 & 3 & -1 \end{bmatrix} + \begin{bmatrix} 2 & 9 & -6 \\ -13 & -5 & 1 \end{bmatrix}$

a. $\begin{bmatrix} 9 & 12 & 1 \\ -14 & -2 & -14 \end{bmatrix}$

c. $\begin{bmatrix} -14 & -2 & 0 \\ 9 & 12 & 1 \end{bmatrix}$

b. $\begin{bmatrix} 9 & 12 & 1 \\ -14 & -2 & 0 \end{bmatrix}$

d. $\begin{bmatrix} 9 & -14 & 1 \\ -14 & 13 & 0 \end{bmatrix}$

____ 2. Add the following matrices: $\begin{bmatrix} 14 & 1 & 9 \\ -10 & 5 & -10 \end{bmatrix} + \begin{bmatrix} -9 & 12 & 13 \\ 7 & -9 & -14 \end{bmatrix}$

a. $\begin{bmatrix} 5 & 13 & 22 \\ -3 & -4 & -3 \end{bmatrix}$

c. $\begin{bmatrix} -3 & -4 & -24 \\ 5 & 13 & 22 \end{bmatrix}$

b. $\begin{bmatrix} 5 & 13 & 22 \\ -3 & -4 & -24 \end{bmatrix}$

d. $\begin{bmatrix} 5 & -3 & 22 \\ -3 & 14 & -24 \end{bmatrix}$

____ 3. Add the following matrices: $\begin{bmatrix} 13 & 1 & 3 \\ 3 & -14 & 6 \end{bmatrix} + \begin{bmatrix} -9 & 9 & -11 \\ -3 & 3 & -2 \end{bmatrix}$

a. $\begin{bmatrix} 0 & -11 & 4 \\ 4 & 10 & -8 \end{bmatrix}$

c. $\begin{bmatrix} 4 & 10 & -8 \\ 0 & -11 & 4 \end{bmatrix}$

b. $\begin{bmatrix} 4 & 10 & -8 \\ 0 & -11 & 0 \end{bmatrix}$

d. $\begin{bmatrix} 4 & 0 & -8 \\ 0 & 11 & 4 \end{bmatrix}$

_____ 4. Add the following matrices: $\begin{bmatrix} 1 & 9 & 14 \\ -1 & -3 & -4 \end{bmatrix} + \begin{bmatrix} -5 & -10 & -11 \\ -7 & 2 & 8 \end{bmatrix}$

a. $\begin{bmatrix} -4 & -1 & 3 \\ -8 & -1 & -8 \end{bmatrix}$

c. $\begin{bmatrix} -4 & -1 & 3 \\ -8 & -1 & 4 \end{bmatrix}$

b. $\begin{bmatrix} -4 & -8 & 3 \\ -8 & 0 & 4 \end{bmatrix}$

d. $\begin{bmatrix} -8 & -1 & 4 \\ -4 & -1 & 3 \end{bmatrix}$

_____ 5. Add the following matrices: $\begin{bmatrix} -15 & 15 & 3 \\ -1 & -6 & -1 \end{bmatrix} + \begin{bmatrix} 11 & -1 & -12 \\ -3 & 7 & -13 \end{bmatrix}$

a. $\begin{bmatrix} -4 & 14 & -9 \\ -4 & 1 & -4 \end{bmatrix}$

c. $\begin{bmatrix} -4 & 14 & -9 \\ -4 & 1 & -14 \end{bmatrix}$

b. $\begin{bmatrix} -4 & -4 & -9 \\ -4 & 15 & -14 \end{bmatrix}$

d. $\begin{bmatrix} -4 & 1 & -14 \\ -4 & 14 & -9 \end{bmatrix}$

**Adding Matrices
Answer Section**

MULTIPLE CHOICE

1. ANS: B
2. ANS: B
3. ANS: C
4. ANS: C
5. ANS: C

Name: _____ Class: _____ Date: _____

ID: A

MULTIPLE CHOICE

- | | | | | | |
|----|-----|-----|-----|-----|-----|
| 1. | (A) | (B) | (C) | (D) | (E) |
| 2. | (A) | (B) | (C) | (D) | (E) |
| 3. | (A) | (B) | (C) | (D) | (E) |
| 4. | (A) | (B) | (C) | (D) | (E) |
| 5. | (A) | (B) | (C) | (D) | (E) |