

Name _____

Date _____

Add, Subtract, and Multiply Matrices - Independent Practice Worksheet

Complete all the problems.

1. Fill in the missing number.

$$\begin{bmatrix} 5 & 3 \\ 7 & 4 \end{bmatrix} - \begin{bmatrix} 3 & 1 \\ 2 & 2 \end{bmatrix} = \begin{bmatrix} ? & 2 \\ 5 & 2 \end{bmatrix}$$

2. What is the missing number?

$$\begin{bmatrix} 14 & 22 \\ 10 & 18 \end{bmatrix} - \begin{bmatrix} 10 & 11 \\ 6 & 9 \end{bmatrix} = \begin{bmatrix} ? & 11 \\ 4 & 9 \end{bmatrix}$$

3. Find the missing number.

$$\begin{bmatrix} 15 & 25 \\ 27 & 50 \end{bmatrix} - \begin{bmatrix} 12 & 15 \\ 3 & 42 \end{bmatrix} = \begin{bmatrix} ? & 10 \\ 24 & 8 \end{bmatrix}$$

4. Fill in the missing number.

$$\begin{bmatrix} 4 & 8 \\ 12 & 15 \end{bmatrix} + \begin{bmatrix} 2 & 1 \\ 3 & 6 \end{bmatrix} = \begin{bmatrix} ? & 9 \\ 15 & 21 \end{bmatrix}$$

5. What is the missing number?

$$\begin{bmatrix} 8 & 9 \\ 20 & 8 \end{bmatrix} + \begin{bmatrix} 6 & 7 \\ 12 & 6 \end{bmatrix} = \begin{bmatrix} ? & 16 \\ 32 & 14 \end{bmatrix}$$



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6. Find the missing number.

$$\begin{bmatrix} 11 & 7 \\ 9 & 6 \end{bmatrix} + \begin{bmatrix} 8 & 4 \\ 5 & 2 \end{bmatrix} = \begin{bmatrix} ? & 11 \\ 14 & 8 \end{bmatrix}$$

7. What is the missing number?

$$\begin{bmatrix} 4 & 8 \\ 7 & 10 \end{bmatrix} \times \begin{bmatrix} 2 & 3 \\ 3 & 4 \end{bmatrix} = \begin{bmatrix} ? & 44 \\ 44 & 61 \end{bmatrix}$$

8. Fill in the missing number.

$$\begin{bmatrix} 11 & 5 \\ 15 & 17 \end{bmatrix} \times \begin{bmatrix} 3 & 9 \\ 4 & 2 \end{bmatrix} = \begin{bmatrix} ? & 109 \\ 113 & 169 \end{bmatrix}$$

9. What is the missing number?

$$\begin{bmatrix} 1 & 7 \\ 17 & 9 \end{bmatrix} \times \begin{bmatrix} 5 & 9 \\ 5 & 4 \end{bmatrix} = \begin{bmatrix} ? & 37 \\ 130 & 189 \end{bmatrix}$$

10. Find the missing number.

$$\begin{bmatrix} 15 & 4 \\ 18 & 2 \end{bmatrix} \times \begin{bmatrix} 2 & 5 \\ 2 & 9 \end{bmatrix} = \begin{bmatrix} ? & 111 \\ 40 & 108 \end{bmatrix}$$

