

Name _____

Date _____

Multiplying a Vector by a Matrix - Independent Practice Worksheet

Complete all the problems.

1. Find the product of the matrix and the vector

$$\begin{bmatrix} 6 & -4 \\ 3 & -7 \\ 7 & -2 \end{bmatrix} \times \begin{bmatrix} -1 \\ -2 \end{bmatrix}$$

2. Find the matrix product of C_x .Matrix $c =$

$$\begin{bmatrix} 1 & 3 & 4 \\ 2 & 5 & 7 \\ 8 & 6 & 9 \end{bmatrix}$$

Vector $x =$

$$\begin{bmatrix} -4 \\ 2 \\ -3 \end{bmatrix}$$

3. Find the matrix product of C_x .Matrix $c =$

$$\begin{bmatrix} -3 & 4 & 8 \\ -2 & 5 & 6 \\ -3 & 7 & 9 \end{bmatrix}$$

Vector $x =$

$$\begin{bmatrix} 5 \\ 6 \\ 3 \end{bmatrix}$$



Name _____

Date _____

4. Find the matrix product of C_x .

Matrix $c =$

$$\begin{bmatrix} 1 & -7 & -2 \\ 4 & -3 & 5 \\ 7 & -2 & 8 \end{bmatrix}$$

Vector $x =$

$$\begin{bmatrix} 7 \\ 3 \\ -7 \end{bmatrix}$$

