Name _____ Date _____

Multiply Matrices by Scalars to Produce New Matrices - Independent Practice Worksheet

Complete all the problems.

1. Calculate the missing number.

$$2\begin{bmatrix}6\\2\end{bmatrix}=\begin{bmatrix}12\\?\end{bmatrix}$$

2. What is the missing number?

$$3\begin{bmatrix}3\\4\end{bmatrix}=\begin{bmatrix}9\\?\end{bmatrix}$$

3. Find the missing number.

$$5\begin{bmatrix}6\\10\end{bmatrix}=\begin{bmatrix}30\\?\end{bmatrix}$$

4. Calculate the missing number.

$$7\begin{bmatrix}2\\5\end{bmatrix}=\begin{bmatrix}14\\?\end{bmatrix}$$

5. What is the missing number?

$$10\begin{bmatrix}8\\2\end{bmatrix}=\begin{bmatrix}80\\?\end{bmatrix}$$

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6. Find the missing number.

$$3\begin{bmatrix}6\\8\end{bmatrix}=\begin{bmatrix}18\\?\end{bmatrix}$$

7. Calculate the missing number.

$$11\begin{bmatrix}8\\1\end{bmatrix}=\begin{bmatrix}88\\?\end{bmatrix}$$

8. What is the missing number?

$$4\begin{bmatrix}8\\5\end{bmatrix}=\begin{bmatrix}32\\?\end{bmatrix}$$

9. Find the missing number to complete the second matrix.

$$17\begin{bmatrix}2\\5\end{bmatrix}=\begin{bmatrix}34\\?\end{bmatrix}$$

10. What is the missing number?

$$20\begin{bmatrix}5\\1\end{bmatrix}=\begin{bmatrix}100\\?\end{bmatrix}$$