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Add, Subtract, and Multiply Matrices - Step-by-Step Lesson

1. Fill in the missing number.
$\left[\begin{array}{cc}9 & 11 \\ 8 & 4\end{array}\right]-\left[\begin{array}{cc}7 & 2 \\ 4 & 1\end{array}\right]=\left[\begin{array}{ll}? & 9 \\ 4 & 3\end{array}\right]$


## Explanation:

When subtracting two matrices, we find the difference between numbers in the same column and row. In this case, we need to find the difference between 9 and 7 , which is 2 .
$\left[\begin{array}{cc}9 & 11 \\ 8 & 4\end{array}\right]-\left[\begin{array}{ll}7 & 2 \\ 4 & 1\end{array}\right]=\left[\begin{array}{ll}2 & 9 \\ 4 & 3\end{array}\right]$

