

Independent Practice

Statistics A.4

Read and solve.

1. Which of the following operations would result in the matrix $\begin{bmatrix} -4 & 2 \\ 6 & 1 \end{bmatrix}$?

A. $2 \begin{bmatrix} -2 & 1 \\ 3 & 0 \end{bmatrix}$

C. $\begin{bmatrix} 5 & 5 \\ 4 & 3 \end{bmatrix} - \begin{bmatrix} -1 & -3 \\ -2 & -2 \end{bmatrix}$

B. $\frac{1}{2} \begin{bmatrix} -2 & 1 \\ 3 & 0 \end{bmatrix}$

D. $\begin{bmatrix} 3 & -1 \\ -2 & 2 \end{bmatrix} + \begin{bmatrix} -7 & 3 \\ 8 & -1 \end{bmatrix}$

2. If $[Q] = \begin{bmatrix} 2 & 1 \\ -1 & 1 \\ 3 & 4 \end{bmatrix}$ and $[R] = \begin{bmatrix} -7 & 3 \\ -4 & 1 \\ 3 & -2 \end{bmatrix}$ then $[Q] - [R] = ?$

A. $\begin{bmatrix} -2 & 9 \\ 0 & 3 \\ 6 & 9 \end{bmatrix}$

C. $\begin{bmatrix} -5 & 2 \\ -5 & 0 \\ -9 & -6 \end{bmatrix}$

B. $\begin{bmatrix} 9 & -2 \\ 3 & 0 \\ 0 & 6 \end{bmatrix}$

D. $\begin{bmatrix} 7 \\ 3 \\ -11 \end{bmatrix}$