

Name: _____ Period: _____ Date: _____

Matrix Multiplication Bell work

Match the Columns:

	Column A	Column B
a	$\begin{bmatrix} 2 & 4 \\ 3 & 5 \end{bmatrix} \begin{bmatrix} 1 \\ 2 \end{bmatrix}$	$[a_{ij} \quad b_{ij}] 3 \times 4$
b	$\begin{bmatrix} 3 & 1 \\ 0 & 3 \end{bmatrix} \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$	$[42]$
c	$[3 \quad 6 \quad 9] \begin{bmatrix} 1 \\ 2 \\ 3 \end{bmatrix}$	$\begin{bmatrix} 10 \\ 13 \end{bmatrix}$
d	$[a_{ij}] 4 \times 3, [b_{ij}] 3 \times 2$	$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$
e	$[a_{ij}] 3 \times 3, [b_{ij}] 3 \times 4$	$\begin{bmatrix} 3 & 1 \\ 0 & 0 \end{bmatrix}$
f	$\begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix} \begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$	$[a_{ij}] 4 \times 2$

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Answers:

- a. 3
- b. 5
- c. 2
- d. 6
- e. 1
- f. 4

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