



Puzzle Time

Did You Hear About The Carrot Detective?

A	B	C	D	E	F
G	H				

Complete each exercise. Find the answer in the answer column. Write the word under the answer in the box containing the exercise letter.

$\begin{bmatrix} -70 & 67 \\ -37 & -55 \end{bmatrix}$ CRIME
$\begin{bmatrix} -10 & -37 \\ 20 & -5 \end{bmatrix}$ SHE
$\begin{bmatrix} -52 & 44 \\ -91 & -13 \end{bmatrix}$ HOW
$\begin{bmatrix} -23 & 20 \\ -11 & -41 \end{bmatrix}$ TOP
$\begin{bmatrix} -41 & 34 \\ -9 & -12 \end{bmatrix}$ ROOT
$\begin{bmatrix} -50.3 & 39.4 \\ 11.2 & -21.5 \end{bmatrix}$ OF
$\begin{bmatrix} 60 \\ -9 \\ 0 \end{bmatrix}$ PLANT

Perform the indicated operation, if possible.

A. $\begin{bmatrix} -43 & -2 \\ 27 & 15 \end{bmatrix} + \begin{bmatrix} 33 & -35 \\ -7 & -20 \end{bmatrix}$

B. $\begin{bmatrix} 17 \\ 18 \end{bmatrix} + \begin{bmatrix} 33 & -39 \end{bmatrix}$

c. $\begin{bmatrix} -41 & 48 \\ -20 & -10 \end{bmatrix} - \begin{bmatrix} -29 & 19 \\ -17 & -45 \end{bmatrix}$

D. $\begin{bmatrix} -36 \\ 8 \\ 7 \end{bmatrix} + \begin{bmatrix} 24 \\ 17 \\ 7 \end{bmatrix}$

Use the given matrices to evaluate the expression.

$$A = \begin{bmatrix} -5 & 6 \\ -13 & 4 \end{bmatrix}, B = \begin{bmatrix} -18 & 14 \\ 2 & -8 \end{bmatrix}, C = \begin{bmatrix} 3.7 & -2.6 \\ 5.2 & 2.5 \end{bmatrix}$$

E. $A + 2B$

F. $3B + C$

G. $B - 2A + 10C$

H. $3A + 10C$

$\begin{bmatrix} -12 & 29 \\ -3 & 35 \end{bmatrix}$ TO
$\begin{bmatrix} 29 & -24 \\ 80 & 9 \end{bmatrix}$ EVERY
$\begin{bmatrix} 10 & -33 \\ 34 & -5 \end{bmatrix}$ CALLED
not possible GOT
$\begin{bmatrix} 22 & -8 \\ 13 & 37 \end{bmatrix}$ CASE
$\begin{bmatrix} -32.3 & 25.4 \\ 9.2 & -13.5 \end{bmatrix}$ ARE
$\begin{bmatrix} -12 \\ 25 \\ 14 \end{bmatrix}$ THE