

12.3 Puzzle Time

What Did The Zero Say To The Eight?

Write the letter of each answer in the box containing the exercise number.

Evaluate the determinant of the matrix.

1. $\begin{bmatrix} -10 & 15 \\ 12 & 4 \end{bmatrix}$

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

3. $\begin{bmatrix} 2 & 7 \\ 6 & -5 \end{bmatrix}$

4. $\begin{bmatrix} -3 & 2 \\ 2 & 6 \end{bmatrix}$

5. $\begin{bmatrix} 7 & 1 & -6 \\ 2 & -13 & -1 \\ -2 & 11 & -13 \end{bmatrix}$

6. $\begin{bmatrix} 12 & -6 & 11 \\ 13 & -6 & -13 \\ -12 & 7 & -12 \end{bmatrix}$

7. $\begin{bmatrix} -8 & 14 & 8 \\ 0 & -4 & 11 \\ 4 & -15 & 1 \end{bmatrix}$

8. $\begin{bmatrix} 9 & 9 & 2 \\ 3 & -9 & -2 \\ 5 & -9 & 10 \end{bmatrix}$

Answers

I. 2

R. 22

S. 1258

B. 293

C. -52

T. -1296

K. -567

E. -22

L. -544

P. 428

M. 475

B. 1312

N. -220

W. -44

1	2	3	4		5	6	7	8
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