



## Finding Determinants of a Matrix

Name: \_\_\_\_\_

Date: \_\_\_\_\_



Evaluate the determinant of each matrix.

1)  $\begin{bmatrix} 0 & 2 \\ -2 & 5 \end{bmatrix} =$

2)  $\begin{bmatrix} 5 & 3 & 3 \\ -4 & -5 & 1 \\ 5 & 3 & 0 \end{bmatrix} =$

3)  $\begin{bmatrix} -1 & 2 \\ 1 & 4 \end{bmatrix} =$

4)  $\begin{bmatrix} 8 & -6 \\ -10 & 9 \end{bmatrix} =$

5)  $\begin{bmatrix} 5 & 2 & 1 \\ 6 & 2 & 1 \\ 0 & -1 & 0 \end{bmatrix} =$

6)  $\begin{bmatrix} -9 & 6 \\ -3 & 0 \end{bmatrix} =$

7)  $\begin{bmatrix} 1 & 7 \\ 6 & -2 \end{bmatrix} =$

8)  $\begin{bmatrix} 2 & 2 & 5 \\ 10 & -2 & 0 \\ 0 & 4 & 3 \end{bmatrix} =$



QUIZ ?

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## Answers



Evaluate the determinant of each matrix.

$$1) \begin{bmatrix} 0 & 2 \\ -2 & 5 \end{bmatrix} = 4$$

$$2) \begin{bmatrix} 5 & 3 & 3 \\ -4 & -5 & 1 \\ 5 & 3 & 0 \end{bmatrix} = 39$$

$$3) \begin{bmatrix} -1 & 2 \\ 1 & 4 \end{bmatrix} = -6$$

$$4) \begin{bmatrix} 8 & -6 \\ -10 & 9 \end{bmatrix} = 12$$

$$5) \begin{bmatrix} 5 & 2 & 1 \\ 6 & 2 & 1 \\ 0 & -1 & 0 \end{bmatrix} = -1$$

$$6) \begin{bmatrix} -9 & 6 \\ -3 & 0 \end{bmatrix} = 18$$

$$7) \begin{bmatrix} 1 & 7 \\ 6 & -2 \end{bmatrix} = -44$$

$$8) \begin{bmatrix} 2 & 2 & 5 \\ 10 & -2 & 0 \\ 0 & 4 & 3 \end{bmatrix} = 128$$



QUIZ ?

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