

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

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

**Finding Determinants of a Matrix****Evaluate the determinant of each matrix.**

1) 
$$\begin{vmatrix} 0 & 4 \\ 6 & 5 \end{vmatrix}$$

2) 
$$\begin{vmatrix} 0 & -4 \\ -6 & -2 \end{vmatrix}$$

3) 
$$\begin{vmatrix} -5 & 0 \\ 3 & 10 \end{vmatrix}$$

4) 
$$\begin{vmatrix} 6 & 5 & -3 \\ -5 & 4 & -2 \\ 1 & -4 & 5 \end{vmatrix}$$

5) 
$$\begin{vmatrix} 5 & 3 & 3 \\ -4 & -5 & 1 \\ 5 & 3 & 0 \end{vmatrix}$$

6) 
$$\begin{vmatrix} 0 & 6 \\ -6 & 0 \end{vmatrix}$$

7) 
$$\begin{vmatrix} -9 & -9 \\ -7 & -10 \end{vmatrix}$$

8) 
$$\begin{vmatrix} -2 & 5 & -4 \\ 0 & -3 & 5 \\ -5 & 5 & -6 \end{vmatrix}$$

9) 
$$\begin{vmatrix} 6 & 2 & -1 \\ -5 & -4 & -5 \\ 3 & -3 & 1 \end{vmatrix}$$

10) 
$$\begin{vmatrix} -1 & 8 \\ 5 & 0 \end{vmatrix}$$



$$1) \begin{vmatrix} 0 & 4 \\ 6 & 5 \end{vmatrix}$$

- 24

$$2) \begin{vmatrix} 0 & -4 \\ -6 & -2 \end{vmatrix}$$

- 24

$$3) \begin{vmatrix} -5 & 0 \\ 3 & 10 \end{vmatrix}$$

- 50

$$4) \begin{vmatrix} 6 & 5 & -3 \\ -5 & 4 & -2 \\ 1 & -4 & 5 \end{vmatrix}$$

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$$5) \begin{vmatrix} 5 & 3 & 3 \\ -4 & -5 & 1 \\ 5 & 3 & 0 \end{vmatrix}$$

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$$6) \begin{vmatrix} 0 & 6 \\ -6 & 0 \end{vmatrix}$$

- 36

$$7) \begin{vmatrix} -9 & -9 \\ -7 & -10 \end{vmatrix}$$

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$$8) \begin{vmatrix} -2 & 5 & -4 \\ 0 & -3 & 5 \\ -5 & 5 & -6 \end{vmatrix}$$

- 51

$$9) \begin{vmatrix} 6 & 2 & -1 \\ -5 & -4 & -5 \\ 3 & -3 & 1 \end{vmatrix}$$

- 161

$$10) \begin{vmatrix} -1 & 8 \\ 5 & 0 \end{vmatrix}$$

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