AFM

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Finding Determinants HW

Evaluate each determinant.

1) $\begin{vmatrix} -6 & 7 \\ -7 & 6 \end{vmatrix}$

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

3) $\begin{vmatrix} 5 & -3 \\ 7 & 3 \end{vmatrix}$

4) $\begin{vmatrix} 2 & 3 \\ -8 & -1 \end{vmatrix}$

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

6) $\begin{vmatrix} 7 & 1 \\ 2 & 5 \end{vmatrix}$

7) $\begin{vmatrix} 7 & -7 \\ -5 & 1 \end{vmatrix}$

8) $\begin{vmatrix} -2 & 5 \\ -6 & -7 \end{vmatrix}$

9) $\begin{vmatrix} -3 & 0 & 1 \\ -5 & -1 & 0 \\ 4 & 2 & 7 \end{vmatrix}$

10) $\begin{vmatrix} 6 & 7 & 7 \\ -3 & -4 & -3 \\ 6 & -1 & -2 \end{vmatrix}$

11) $\begin{vmatrix} 1 & -3 & 1 \\ 2 & -6 & 7 \\ 7 & -8 & -6 \end{vmatrix}$

12) $\begin{vmatrix} 2 & 0 & 0 \\ 5 & 0 & 7 \\ -3 & 3 & 4 \end{vmatrix}$

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

14) $\begin{vmatrix} 5 & 4 & -6 \\ 0 & 3 & -5 \\ 5 & -7 & 4 \end{vmatrix}$

15) $\begin{vmatrix} -1 & 4 & 3 \\ -7 & -7 & 2 \\ 1 & -6 & -1 \end{vmatrix}$

16) $\begin{vmatrix} -7 & 4 & 1 \\ 5 & 2 & 2 \\ -7 & 1 & -1 \end{vmatrix}$

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Finding Determinants HW

Evaluate each determinant.

1) $\begin{vmatrix} -6 & 7 \\ -7 & 6 \end{vmatrix}$

13

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

8

3) $\begin{vmatrix} 5 & -3 \\ 7 & 3 \end{vmatrix}$

36

4) $\begin{vmatrix} 2 & 3 \\ -8 & -1 \end{vmatrix}$

22

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

0

6) $\begin{vmatrix} 7 & 1 \\ 2 & 5 \end{vmatrix}$

33

7) $\begin{vmatrix} 7 & -7 \\ -5 & 1 \end{vmatrix}$

–28

8) $\begin{vmatrix} -2 & 5 \\ -6 & -7 \end{vmatrix}$

44

9) $\begin{vmatrix} -3 & 0 & 1 \\ -5 & -1 & 0 \\ 4 & 2 & 7 \end{vmatrix}$

15

10) $\begin{vmatrix} 6 & 7 & 7 \\ -3 & -4 & -3 \\ 6 & -1 & -2 \end{vmatrix}$

51

11) $\begin{vmatrix} 1 & -3 & 1 \\ 2 & -6 & 7 \\ 7 & -8 & -6 \end{vmatrix}$

–65

12) $\begin{vmatrix} 2 & 0 & 0 \\ 5 & 0 & 7 \\ -3 & 3 & 4 \end{vmatrix}$

–42

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

4

14) $\begin{vmatrix} 5 & 4 & -6 \\ 0 & 3 & -5 \\ 5 & -7 & 4 \end{vmatrix}$

–125

15) $\begin{vmatrix} -1 & 4 & 3 \\ -7 & -7 & 2 \\ 1 & -6 & -1 \end{vmatrix}$

108

16) $\begin{vmatrix} -7 & 4 & 1 \\ 5 & 2 & 2 \\ -7 & 1 & -1 \end{vmatrix}$

11

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