Name

Calculate the determinant of a 2 by 2 matrix



1 Which shows how to calculate the determinant of this matrix?

$$\begin{bmatrix} 3 & -8 \\ -9 & 7 \end{bmatrix}$$

A	$(-8 \cdot -9) - (3 \cdot 7)$
B	$(3 \cdot -8) - (-9 \cdot 7)$
C	$(3 \cdot 7) - (-8 \cdot -9)$

2 What is the determinant of this matrix?

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

A 8	B 15	C 5
D 10	E 13	F 16

3 What is the determinant of this matrix?

$$\begin{bmatrix} 7 & -6 \\ 8 & 4 \end{bmatrix}$$

A 74	B 72	C 76
D 73	E 78	F 70

4 What is the determinant of this matrix?

$$\begin{bmatrix} -1 & 4 \\ 7 & 8 \end{bmatrix}$$

A -36	B -33	C -32
D -35	E -34	F -42

5 What is the determinant of this matrix?

$$\begin{bmatrix} 7 & -2 \\ -7 & -9 \end{bmatrix}$$

A -71	B -78	C -83
D -75	E -76	F -77

6 What is the determinant of this matrix?

$$\begin{bmatrix} 7 & 0 \\ 9 & -9 \end{bmatrix}$$

A -68	B -63	C -60
D -65	E -69	F -58

7 What is the determinant of this matrix?

$$\begin{bmatrix} 6 & 0 \\ -7 & 4 \end{bmatrix}$$

A 28	B 24	C 30
D 19	E 21	F 26

8 What is the determinant of this matrix?

$$\begin{bmatrix} -3 & 6 \\ 8 & 6 \end{bmatrix}$$

A -71	B -66	C -69
D -61	E -63	F -70