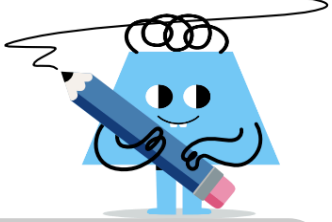
Name

Matrices - Find Determinant Formula (2x2)



1 Choose the correct formula for the determinant of this matrix

$$|Y| = a_{11} \cdot a_{22} - a_{12} \cdot a_{21}$$

$$Y = \begin{bmatrix} 4 & 8 \\ 8 & 0 \end{bmatrix}$$

A	$8 \cdot 4 + 8 \cdot 4$	B	$8 \cdot 0 + 8 \cdot 8$
C	$4 \cdot 8 - 0 \cdot 8$	D	$0 \cdot 8 + 4 \cdot 0$
E	$4 \cdot 0 + 8 \cdot 8$	F	$4 \cdot 0 - 8 \cdot 8$

2 Choose the correct formula for the determinant of this matrix

$$|N| = a_{11} \cdot a_{22} - a_{12} \cdot a_{21}$$

$$N = \begin{bmatrix} 2 & 5 \\ 3 & 8 \end{bmatrix}$$

A	$2 \cdot 8 - 5 \cdot 3$	B	$8 \cdot 5 + 2 \cdot 5$
C	$2 \cdot 5 - 8 \cdot 3$	D	$3 \cdot 2 + 8 \cdot 5$
E	$3 \cdot 2 + 3 \cdot 8$	F	$5 \cdot 5 + 3 \cdot 3$

3 Choose the correct formula for the determinant of this matrix

$$|D| = a_{11} \cdot a_{22} - a_{12} \cdot a_{21}$$

$$D = \begin{bmatrix} 2 & 5 \\ 3 & 7 \end{bmatrix}$$

A	$2 \cdot 7 - 5 \cdot 3$	B	$7 \cdot 5 + 7 \cdot 3$
C	$2 \cdot 5 - 7 \cdot 3$	D	$3 \cdot 7 + 7 \cdot 3$
E	$3 \cdot 5 + 5 \cdot 5$	F	$2 \cdot 7 + 5 \cdot 3$

4 Choose the correct formula for the determinant of this matrix

$$|X| = a_{11} \cdot a_{22} - a_{12} \cdot a_{21}$$

$$X = \begin{bmatrix} 1 & 9 \\ 9 & 9 \end{bmatrix}$$

A	$9 \cdot 9 + 9 \cdot 9$	B	$9 \cdot 9 - 9 \cdot 1$
C	$1 \cdot 9 - 9 \cdot 9$	D	$9 \cdot 9 + 9 \cdot 1$
E	$1 \cdot 9 - 1 \cdot 9$	F	$1 \cdot 9 + 9 \cdot 1$

5 Choose the correct formula for the determinant of this matrix

$$|Y| = a_{11} \cdot a_{22} - a_{12} \cdot a_{21}$$

$$Y = \begin{bmatrix} 1 & 8 \\ 1 & 7 \end{bmatrix}$$

A	$1 \cdot 1 + 8 \cdot 1$	B	$1 \cdot 1 + 7 \cdot 8$
C	$1 \cdot 8 - 1 \cdot 7$	D	$8 \cdot 1 + 1 \cdot 1$
E	$1 \cdot 7 + 8 \cdot 1$	F	$1 \cdot 7 - 8 \cdot 1$

6 Choose the correct formula for the determinant of this matrix

$$|X| = a_{11} \cdot a_{22} - a_{12} \cdot a_{21}$$

$$X = \begin{bmatrix} 7 & 8 \\ 5 & 8 \end{bmatrix}$$

A	$5 \cdot 5 - 5 \cdot 8$	B	$5 \cdot 8 - 8 \cdot 5$
C	$8 \cdot 5 + 8 \cdot 8$	D	$7 \cdot 7 - 8 \cdot 8$
E	$7 \cdot 8 - 8 \cdot 5$	F	$7 \cdot 7 - 5 \cdot 8$

7 Choose the correct formula for the determinant of this matrix

$$|M| = a_{11} \cdot a_{22} - a_{12} \cdot a_{21}$$

$$M = \begin{bmatrix} 9 & 5 \\ 4 & 7 \end{bmatrix}$$

A	$7 \cdot 7 + 9 \cdot 4$	B	$9 \cdot 7 - 5 \cdot 4$
C	$7 \cdot 9 - 4 \cdot 4$	D	$5 \cdot 5 + 4 \cdot 5$
E	$9 \cdot 7 + 5 \cdot 4$	F	$7 \cdot 9 + 9 \cdot 5$

8 Choose the correct formula for the determinant of this matrix

$$|B| = a_{11} \cdot a_{22} - a_{12} \cdot a_{21}$$

$$B = \begin{bmatrix} 9 & 2 \\ 7 & 8 \end{bmatrix}$$

A	$7 \cdot 8 + 2 \cdot 2$	B	$9 \cdot 9 + 9 \cdot 2$
C	$2 \cdot 9 + 2 \cdot 8$	D	$9 \cdot 7 - 2 \cdot 8$
E	$9 \cdot 8 - 2 \cdot 7$	F	$7 \cdot 9 - 2 \cdot 8$