

mobius

Matrices - Find Determinant Formula (2x2)



	(2)	~		
1	Choose the correct formula for the determinant of this matrix	$\begin{bmatrix} A \\ 3 \cdot 3 - 3 \cdot 3 \end{bmatrix} \begin{bmatrix} B \\ 3 \cdot 3 - 7 \cdot 8 \end{bmatrix}$	Choose the correct formula for the determinant of this matrix	$\begin{vmatrix} A & B & B \\ 1 \cdot 8 + 9 \cdot 1 \end{vmatrix} \cdot 8 - 1 \cdot 0$
	3 7	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	9 8	$\begin{bmatrix} \mathtt{c} \\ 9 \cdot 1 - 8 \cdot 0 \end{bmatrix}$ $\begin{bmatrix} \mathtt{d} \\ 1 \cdot 1 + 1 \cdot 9 \end{bmatrix}$
L	8 3		0 1]	$\begin{bmatrix} \mathtt{E} \\ \mathtt{0} \cdot \mathtt{1} + \mathtt{0} \cdot \mathtt{9} \end{bmatrix} = \begin{bmatrix} \mathtt{F} \\ \mathtt{9} \cdot \mathtt{1} - \mathtt{9} \cdot \mathtt{8} \end{bmatrix}$
3	Choose the correct formula for the determinant of this matrix	$\begin{bmatrix} A & & & & & B & & & & & & & & & & & & &$	Choose the correct formula for the determinant of this matrix	$egin{pmatrix} A \\ 0 \cdot 5 + 1 \cdot 0 \\ 0 \cdot 1 - 0 \cdot 5 \\ \end{pmatrix}$
	7 9	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	5 1	$\begin{bmatrix} c \\ 1 \cdot 0 - 0 \cdot 5 \end{bmatrix} \begin{bmatrix} D \\ 1 \cdot 5 + 1 \cdot 5 \end{bmatrix}$
L	1 0		5 0	$\begin{bmatrix} E & F \\ 5 \cdot 0 - 1 \cdot 5 & 5 \cdot 0 + 5 \cdot 1 \end{bmatrix}$
5	Choose the correct formula for the determinant of this matrix	A B 6 · 4 - 6 · 6 6 · 6 - 6 · 4 6	Choose the correct formula for the determinant of this matrix	$egin{array}{c c} A & B \\ 1 \cdot 7 - 9 \cdot 0 & 7 \cdot 1 + 9 \cdot 7 \end{array}$
	6 6	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	1 9	$\begin{bmatrix} \mathtt{C} \\ 1 \cdot 9 + 1 \cdot 0 \end{bmatrix} \begin{bmatrix} \mathtt{D} \\ 9 \cdot 1 + 1 \cdot 1 \end{bmatrix}$
L	4 6		0 7	$egin{bmatrix} E \\ 0 \cdot 1 - 1 \cdot 0 \end{matrix} & F \\ 1 \cdot 7 + 9 \cdot 0 \end{matrix}$
7	Choose the correct formula for the determinant of this matrix	$\begin{bmatrix} A & & & & B \\ 0 \cdot 6 - 7 \cdot 0 & 7 \cdot 0 + 7 \cdot 0 \end{bmatrix}$	Choose the correct formula for the determinant of this matrix	$ \begin{vmatrix} A & & & B \\ 9 \cdot 3 - 3 \cdot 3 & 3 \cdot 3 + 3 \cdot 9 \end{vmatrix} $
	0 7	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	9 3	$\begin{matrix} \mathtt{C} \\ 9 \cdot 3 + 3 \cdot 3 \end{matrix} \begin{matrix} \mathtt{D} \\ 3 \cdot 9 + 3 \cdot 3 \end{matrix}$
	0 6		3 3	$\begin{bmatrix} E & F \\ 3 \cdot 9 + 9 \cdot 9 & 3 \cdot 3 - 3 \cdot 3 \end{bmatrix}$