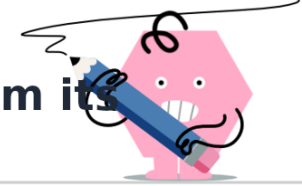
Name

Determine the sign of a cofactor from its position



1 What is the entry at row 2, column 3 of the cofactor matrix of this matrix of minors? Apply the sign pattern $(-1)^{i+j}$ to each entry of the matrix of minors.

A	B	C
8	6	2
D	**E**	**F**
1	4	7

2 Which shows row 3 of the cofactor matrix of this matrix of minors? Fill only that row and leave the other entries blank. Apply the sign pattern $(-1)^{i+j}$ to each entry of the matrix of minors.

A

$$\begin{bmatrix} \square & \square & \square \\ \square & \square & \square \\ 9 & -1 & -7 \end{bmatrix}$$

B

$$\begin{bmatrix} \square & \square & \square \\ \square & \square & \square \\ 7 & 1 & -9 \end{bmatrix}$$

C

$$\begin{bmatrix} \square & \square & \square \\ \square & \square & \square \\ 9 & 1 & -7 \end{bmatrix}$$

D

$$\begin{bmatrix} \square & \square & \square \\ \square & \square & \square \\ 9 & 4 & -7 \end{bmatrix}$$

3 Which grid shows the cofactor signs for a matrix of this size?

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

A

$$\begin{bmatrix} + & - \\ - & + \end{bmatrix}$$

B

$$\begin{bmatrix} - & + \\ + & - \end{bmatrix}$$

4 What is the entry at row 1, column 2 of the cofactor matrix of this matrix of minors? Apply the sign pattern $(-1)^{i+j}$ to each entry of the matrix of minors.

A	B	C
0	4	6
D	**E**	**F**
-5	-6	-2

5 Which shows row 2 of the cofactor matrix of this matrix of minors? Fill only that row and leave the other entries blank. Apply the sign pattern $(-1)^{i+j}$ to each entry of the matrix of minors.

A

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

B

$$\begin{bmatrix} \square & \square \\ 5 & -1 \end{bmatrix}$$

C

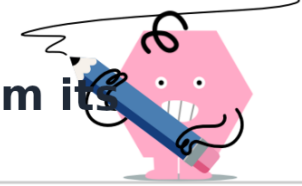
$$\begin{bmatrix} \square & \square \\ 7 & 0 \end{bmatrix}$$

D

$$\begin{bmatrix} \square & \square \\ 5 & -4 \end{bmatrix}$$

Name

Determine the sign of a cofactor from its position



6 Which is the cofactor matrix of this matrix of minors? Apply the sign pattern $(-1)^{i+j}$ to each entry of the matrix of minors.

$$\begin{bmatrix} 9 & -1 \\ 6 & 3 \end{bmatrix}$$

A $\begin{bmatrix} 9 & 1 \\ -7 & 3 \end{bmatrix}$

B $\begin{bmatrix} 9 & -3 \\ -6 & 3 \end{bmatrix}$

C $\begin{bmatrix} 11 & 1 \\ -6 & 3 \end{bmatrix}$

D $\begin{bmatrix} 9 & 1 \\ -6 & 3 \end{bmatrix}$

7 Which grid shows the cofactor signs for a matrix of this size?

$$\begin{bmatrix} 4 & 8 & 3 \\ 2 & 3 & -1 \\ 2 & -6 & 7 \end{bmatrix}$$

A $\begin{bmatrix} + & - & + \\ - & + & - \\ + & - & + \end{bmatrix}$

B $\begin{bmatrix} - & + & - \\ + & - & + \\ - & + & - \end{bmatrix}$

8 Which is the cofactor matrix of this matrix of minors? Apply the sign pattern $(-1)^{i+j}$ to each entry of the matrix of minors.

$$\begin{bmatrix} 8 & -2 & 6 \\ 0 & 9 & -4 \\ 8 & 1 & 6 \end{bmatrix}$$

A $\begin{bmatrix} 8 & 2 & 9 \\ 0 & 9 & 4 \\ 8 & -1 & 6 \end{bmatrix}$

B $\begin{bmatrix} 8 & 2 & 6 \\ 0 & 9 & 2 \\ 8 & 0 & 6 \end{bmatrix}$

C $\begin{bmatrix} 8 & 2 & 6 \\ 0 & 9 & 4 \\ 8 & -1 & 6 \end{bmatrix}$

D $\begin{bmatrix} 8 & 2 & 6 \\ 0 & 5 & 4 \\ 8 & -1 & 6 \end{bmatrix}$