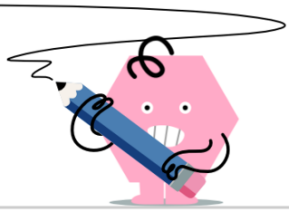
Name



Construct the cofactor matrix

1 Which shows row 1 of the cofactor matrix of this matrix? Fill only that row and leave the other entries blank.

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

B $\begin{bmatrix} -7 & -3 \\ \square & \square \end{bmatrix}$

C $\begin{bmatrix} -6 & -4 \\ \square & \square \end{bmatrix}$

D $\begin{bmatrix} -8 & -4 \\ \square & \square \end{bmatrix}$

2 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 -8	B -5	C -1
D -12	E -6	F -7

3 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.

$$\begin{bmatrix} 5 & 8 \\ 9 & -8 \end{bmatrix}$$

A $\begin{bmatrix} 5 & -6 \\ -9 & -7 \end{bmatrix}$

B $\begin{bmatrix} 5 & -6 \\ -9 & -8 \end{bmatrix}$

C $\begin{bmatrix} 5 & -8 \\ -7 & -6 \end{bmatrix}$

D $\begin{bmatrix} 5 & -8 \\ -9 & -8 \end{bmatrix}$

4 Which shows row 1 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 $\begin{bmatrix} -4 & -5 & 3 \\ \square & \square & \square \\ \square & \square & \square \end{bmatrix}$

B $\begin{bmatrix} -3 & -5 & 2 \\ \square & \square & \square \\ \square & \square & \square \end{bmatrix}$

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

D $\begin{bmatrix} -3 & -4 & 2 \\ \square & \square & \square \\ \square & \square & \square \end{bmatrix}$

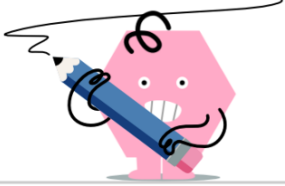
5 What is the entry at row 3, column 1 of the cofactor matrix of this matrix of minors? Apply the sign pattern $(-1)^{i+j}$ to each entry of the matrix of minors.

A -8	B -4	C -6
D -13	E -9	F -10

6 What is the entry at row 1, column 1 of the cofactor matrix of this matrix?

A -4	B -8	C -5
D 0	E 1	F -1

Name



Construct the cofactor matrix

7 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.

$$\begin{bmatrix} 2 & -5 & 3 \\ -7 & 3 & 1 \\ -4 & -8 & 2 \end{bmatrix}$$

A $\begin{bmatrix} 2 & 5 & 3 \\ 7 & 3 & -1 \\ -4 & 8 & 2 \end{bmatrix}$

B $\begin{bmatrix} 2 & 5 & 3 \\ 4 & 3 & -2 \\ -4 & 8 & 2 \end{bmatrix}$

C $\begin{bmatrix} 2 & 5 & 3 \\ 7 & 3 & -4 \\ -4 & 8 & 2 \end{bmatrix}$

D $\begin{bmatrix} 2 & 5 & 3 \\ 7 & 3 & 1 \\ -4 & 8 & 2 \end{bmatrix}$

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

A $\begin{bmatrix} 2 & \square \\ 2 & \square \end{bmatrix}$

B $\begin{bmatrix} 0 & \square \\ 3 & \square \end{bmatrix}$

C $\begin{bmatrix} 2 & \square \\ 0 & \square \end{bmatrix}$

D $\begin{bmatrix} 4 & \square \\ 1 & \square \end{bmatrix}$

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

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

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

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

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

$$\begin{bmatrix} 3 & 2 \\ -1 & -9 \end{bmatrix}$$

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

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

11 What is the entry at row 3, column 1 of the matrix of minors of this matrix?

A	B	C
-15	-11	-6
D	**E**	**F**
-13	-9	-12