Name

Identify the minor associated with a matrix element

1 What is the determinant of the minor matrix for the entry at row 2, column 1?

A	B	C
6	0	8
D	E	F
4	7	9

2 Which is the minor matrix for the entry at row 1, column 3?

A $\begin{bmatrix} 7 & 0 \\ -5 & 3 \end{bmatrix}$

B $\begin{bmatrix} -5 & 3 \\ -2 & -1 \end{bmatrix}$

C $\begin{bmatrix} 0 & 1 \\ -1 & -8 \end{bmatrix}$

3 Which is the minor matrix for the entry at row 1, column 1?

A $\begin{bmatrix} -2 \end{bmatrix}$

B $\begin{bmatrix} -3 \end{bmatrix}$

C $\begin{bmatrix} -8 \end{bmatrix}$

4 What is the determinant of the minor matrix for the entry at row 2, column 2?

A	B	C
-1	-2	2
D	E	F
-5	0	-3

5 Which diagram shows how to form the minor matrix for the entry at row 1, column 1 by crossing out its row and column?

A $\begin{bmatrix} 8 & 4 & 6 \\ 3 & 7 & 5 \\ 2 & 1 & 9 \end{bmatrix}$

B $\begin{bmatrix} 8 & 4 & 6 \\ 3 & 7 & 5 \\ 2 & 1 & 9 \end{bmatrix}$

C $\begin{bmatrix} 8 & 4 & 6 \\ 3 & 7 & 5 \\ 2 & 1 & 9 \end{bmatrix}$

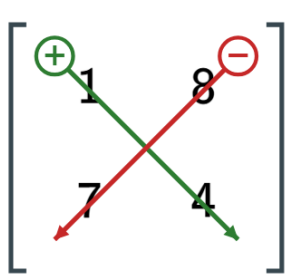
D $\begin{bmatrix} 8 & 4 & 6 \\ 3 & 7 & 5 \\ 2 & 1 & 9 \end{bmatrix}$

Name

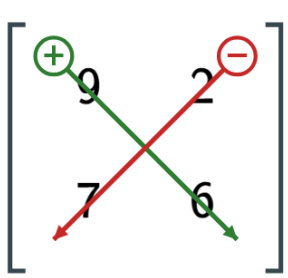
Identify the minor associated with a matrix element

6 Which diagram correctly finds the determinant of the minor matrix for the entry at row 2, column 1? Green is added, red is subtracted.

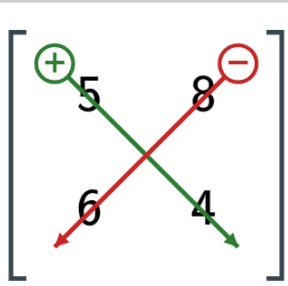
A



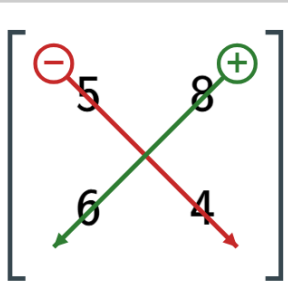
B



C



D



7 Which is the minor matrix for the entry at row 2, column 2?

A

$$[8]$$

B

$$[-1]$$

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

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

A

$$(-3 \cdot -9) - (1 \cdot 6)$$

B

$$(1 \cdot 6) - (-3 \cdot -9)$$

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

A	B	C
15	13	12
D	**E**	**F**
16	20	18

10 What is the determinant of the minor matrix for the entry at row 2, column 3?

A	B	C
33	34	30
D	**E**	**F**
23	28	29