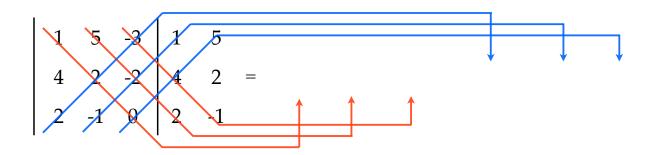
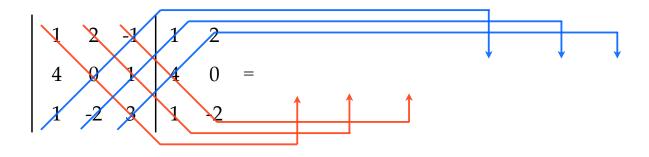
Every square matrix can be assigned a specific value known as its determinant.

To find the determinant of a 3×3 matrix, find the sum of the products of the red diagonals, then subtract the sum of the products of the blue diagonals.

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Method 2 of finding the determinant of a 3×3 matrix

$$\begin{vmatrix} a & b & c \\ d & e & f \\ g & h & i \end{vmatrix} = a \begin{vmatrix} e & f \\ h & i \end{vmatrix} - b \begin{vmatrix} d & f \\ g & i \end{vmatrix} + c \begin{vmatrix} d & e \\ g & h \end{vmatrix}$$

Method 2 of finding the determinant of a 3×3 matrix

Method 2 of finding the determinant of a 3×3 matrix

1	2	-1
4	0	1
1	-2	3