

This example asks you to find the inverse of matrix  $A = \begin{bmatrix} -2 & 1 & 2 \\ 1 & 0 & -1 \\ 4 & -2 & -3 \end{bmatrix}$ .

### Enter the Matrix as A

1. Enter the matrix label in cell A1.
1. Enter the values in the matrix in cells B1 through D3 as shown to the right.

	A	B	C	D
1	Matrix A	-2	1	2
2		1	0	-1
3		4	-2	-3

### Find the inverse of A

1. In cell A5, type a label for the inverse.
2. Click in B5 where you wish to see the resulting matrix. Drag the mouse to select the cells where you want the result to be placed.

4				
5	A inverse			
6				
7				
8				

3. In the function line at the top of the sheet, put =MINVERSE(B1:D3). To do this, type =MINVERSE( and highlight the range of cells that make up the matrix. To complete the command, type a ).

SUM X ✓ fx =MINVERSE(B1:D3)				
	A	B	C	D
1	Matrix A	-2	1	2
2		1	0	-1
3		4	-2	-3
4				
5	A inverse	E(B1:D3)		
6				
7				
8				

4. Press **CTRL+SHIFT+ENTER** on the keyboard to see the resulting matrix.

4				
5	A inverse	2	1	1
6		1	2	0
7		2	0	1
8				