

Given the matrix

$$\begin{bmatrix} 3 & 0 & 1 \\ -1 & 1 & -1 \\ 1 & 1 & 0 \end{bmatrix},$$

(a) does the inverse of the matrix exist? Choose Yes or No.

(b) if your answer is yes, enter the inverse of the matrix below.

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Given the matrix

$$\begin{bmatrix} 3 & 0 & 1 \\ -1 & 1 & -1 \\ 1 & 1 & 0 \end{bmatrix},$$

(a) does the inverse of the matrix exist? Choose Yes or No.

Yes

(b) if your answer is yes, enter the inverse of the matrix below.

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