¡Felicitaciones! ¡Aprobaste!

Calificación recibida 100 % Para Aprobar 100 % o más

ir al algulente electrosto

- Which of the following is the elementary matrix that multiplies the accord row of a four-by-four matrix by 2 and
 acts the result to the tried row?
- $\bigcirc \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 2 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{pmatrix}$

C name

- 2. Which of the following is the LU decomposition of $\begin{pmatrix} 3 & -7 & -2 \\ -3 & 5 & 1 \\ 6 & -4 & 0 \end{pmatrix}$?
- $\bigcirc \begin{pmatrix} 1 & 0 & 0 \\ -1 & 1 & 0 \\ 2 & -5 & 1/2 \end{pmatrix} \begin{pmatrix} 3 & -7 & -2 \\ 0 & -2 & -1 \\ 0 & 0 & -2 \end{pmatrix}$
- $\bigcirc \begin{pmatrix} 1 & 0 & 0 \\ -1 & 2 & -1 \\ 2 & -10 & 6 \end{pmatrix} \begin{pmatrix} 3 & -7 & -2 \\ 0 & -1 & -1 \\ 0 & 0 & -1 \end{pmatrix}$
- $\bigcirc \begin{pmatrix} 1 & 0 & 0 \\ -1 & 1 & 0 \\ 4 & -5 & 1 \end{pmatrix} \begin{pmatrix} 3 & -7 & -2 \\ 0 & -2 & -1 \\ -6 & 14 & 3 \end{pmatrix}$

@ Currector

Suppose $L=\begin{pmatrix}1&0&0\\-1&1&0\\2&-5&1\end{pmatrix}$, $U=\begin{pmatrix}3&-7&-2\\0&-2&-1\\0&0&-1\end{pmatrix}$, and $b=\begin{pmatrix}1\\-1\\1\end{pmatrix}$. Solve LUx=b by letting y=Uy . The obtained for y=Uy and y=Uy .

1/1 punto

- $\bigcirc y = \begin{pmatrix} -1 \\ 0 \\ 1 \end{pmatrix}, x = \begin{pmatrix} 1/6 \\ 1/2 \\ -1 \end{pmatrix}$
- \bigoplus $y = \begin{pmatrix} 1 \\ 0 \\ -1 \end{pmatrix}, x = \begin{pmatrix} -1/6 \\ -1/2 \\ 1 \end{pmatrix}$
- $\bigcirc y = \begin{pmatrix} 1 \\ 0 \\ -1 \end{pmatrix}, x = \begin{pmatrix} 1/6 \\ -1/2 \\ 1 \end{pmatrix}$
- $\bigcirc y = \begin{pmatrix}
 -1 \\
 0 \\
 1
 \end{pmatrix}, x = \begin{pmatrix}
 -1/6 \\
 1/2 \\
 1
 \end{pmatrix}$