

X

Question 3 / 3

1 point

The inverse of  $\begin{pmatrix} 3 & -7 & -2 \\ -3 & 5 & 1 \\ 6 & -4 & 0 \end{pmatrix}$  is

☐  $\begin{pmatrix} 4/3 & 2/3 & 1/2 \\ 2 & 1 & 1/2 \\ -3 & -5 & -1 \end{pmatrix}$

☐  $\begin{pmatrix} 2/3 & 1/2 & 4/3 \\ 1 & 1/2 & 2 \\ -3 & -5 & -1 \end{pmatrix}$

☐  $\begin{pmatrix} 2/3 & 4/3 & 1/2 \\ 1 & 2 & 1/2 \\ -5 & -3 & -1 \end{pmatrix}$

☐  $\begin{pmatrix} 2/3 & 4/3 & 1/2 \\ 1 & 2 & 1/2 \\ -3 & -5 & -1 \end{pmatrix}$

closest  
(must have  
missed something)

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The inverse of  $\begin{pmatrix} 3 & -7 & -2 \\ -3 & 5 & 1 \\ 6 & -4 & 0 \end{pmatrix}$  is

$$\left[ \begin{array}{ccc|ccc} 3 & -7 & -2 & 1 & 0 & 0 \\ -3 & 5 & 1 & 0 & 1 & 0 \\ 6 & -4 & 0 & 0 & 0 & 1 \end{array} \right]$$

$$\left[ \begin{array}{ccc|ccc} 3 & -7 & -2 & 1 & 0 & 0 \\ 0 & -2 & -1 & 1 & 1 & 0 \\ 0 & 6 & 2 & 0 & 2 & 1 \end{array} \right]$$

$$\left[ \begin{array}{ccc|ccc} 3 & -7 & -2 & 1 & 0 & 0 \\ 0 & -2 & -1 & 1 & 0 & 0 \\ 0 & 0 & -1 & 3 & 5 & 1 \end{array} \right]$$

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$$\left[ \begin{array}{ccc|ccc} 3 & -7 & -2 & 1 & 0 & 0 \\ 0 & -2 & -1 & 1 & 0 & 0 \\ 0 & 0 & -1 & 3 & 5 & 1 \end{array} \right]$$

$$\left[ \begin{array}{ccc|ccc} 3 & -3 & 0 & -1 & 0 & 0 \\ 0 & -2 & 0 & -2 & -5 & -1 \\ 0 & 0 & -1 & 3 & 5 & 1 \end{array} \right]$$

$$\left[ \begin{array}{ccc|ccc} -6 & 0 & 0 & -4 & -5 & -3 \\ 0 & -2 & 0 & -2 & -5 & -1 \\ 0 & 0 & -1 & 3 & 5 & 1 \end{array} \right]$$

$$\left[ \begin{array}{ccc|ccc} 1 & 0 & 0 & 2/3 & 5/2 & 1/2 \\ 0 & 1 & 0 & 1 & 5/2 & -1/2 \\ 0 & 0 & 1 & -3 & -5 & -1 \end{array} \right]$$