Complete the following:

$$\begin{pmatrix} -2 & 1 & -1 \\ 2 & 0 & 1 \\ 1 & 2 & -2 \end{pmatrix} \begin{pmatrix} 2 \\ -1 \\ 1 \end{pmatrix} = \begin{pmatrix} x & 2 \\ x & -1 \\ x & -1 \\ x & -1 \\ x & x \\ x & 1 \\ x & 1$$