

The general solution to a linear system is given. Express this as a linear combination of vectors.

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$$x_2 = -8 + 7s_1 + 1s_2$$

$$x_3 = 1 - 7s_1 + 7s_2$$

$$x_4 = -4 + 9s_1 + 4s_2$$

$$\begin{bmatrix} x_1 \\ x_2 \\ x_3 \\ x_4 \end{bmatrix} = \begin{bmatrix} \square \\ \square \\ \square \\ \square \end{bmatrix} + \begin{bmatrix} \square \\ \square \\ \square \\ \square \end{bmatrix} s_1 + \begin{bmatrix} \square \\ \square \\ \square \\ \square \end{bmatrix} s_2$$

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