EX.4.3.7.b, Sauer3

Use the QR factorization from Exercise EX.4.3.2.a, EX.4.3.4.a, or EX.4.3.6.a to solve the following least squares problem

$$\begin{bmatrix} -4 & -4 \\ -2 & 7 \\ 4 & -5 \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \end{bmatrix} = \begin{bmatrix} 3 \\ 9 \\ 0 \end{bmatrix}.$$