

Var. 1 (131129)*Adeel*

Let $A = \begin{pmatrix} 1 & 3 & 5 \\ 1 & -1 & 1 \\ 1 & -3 & -5 \\ -1 & -5 & 5 \end{pmatrix}$ and $b = \begin{pmatrix} 2 \\ -6 \\ 6 \\ -10 \end{pmatrix}$. Orthogonalize the columns of A and find a pseudosolution of the linear system $Ax = b$.

Var. 2 (131129)*Ali Ovais*

Let $A = \begin{pmatrix} 1 & 1 & 1 \\ -1 & -2 & 3 \\ 1 & 2 & 4 \\ 2 & 4 & 4 \end{pmatrix}$ and $b = \begin{pmatrix} 2 \\ 17 \\ -2 \\ 11 \end{pmatrix}$. Orthogonalize the columns of A and find a pseudosolution of the linear system $Ax = b$.

Var. 3 (131129)*Faraha*

Let $A = \begin{pmatrix} 1 & 3 & 3 \\ 1 & -3 & -1 \\ -1 & -1 & -1 \\ -1 & 5 & 2 \end{pmatrix}$ and $b = \begin{pmatrix} -17 \\ 8 \\ 10 \\ -10 \end{pmatrix}$. Orthogonalize the columns of A and find a pseudosolution of the linear system $Ax = b$.

Var. 4 (131129)*Kamran*

Let $A = \begin{pmatrix} 2 & 4 & 2 \\ -2 & -1 & -4 \\ -2 & -1 & -5 \\ 1 & -1 & 3 \end{pmatrix}$ and $b = \begin{pmatrix} 15 \\ 1 \\ 1 \\ -4 \end{pmatrix}$. Orthogonalize the columns of A and find a pseudosolution of the linear system $Ax = b$.

Var. 5 (131129)*Ahsan Khan*

Let $A = \begin{pmatrix} 2 & 4 & 2 \\ 2 & 4 & -2 \\ 2 & 4 & -1 \\ -1 & -1 & 1 \end{pmatrix}$ and $b = \begin{pmatrix} 5 \\ 15 \\ 6 \\ -5 \end{pmatrix}$. Orthogonalize the columns of A and find a pseudosolution of the linear system $Ax = b$.

Var. 6 (131129)*Yameen*

Let $A = \begin{pmatrix} 2 & 1 & 2 \\ -3 & -1 & 1 \\ 1 & 1 & 1 \\ 2 & 1 & -4 \end{pmatrix}$ and $b = \begin{pmatrix} 3 \\ -6 \\ -6 \\ 13 \end{pmatrix}$. Orthogonalize the columns of A and find a pseudosolution of the linear system $Ax = b$.

Var. 7 (131129)*Nehad*

Let $A = \begin{pmatrix} 2 & 3 & 2 \\ -3 & -2 & -4 \\ -4 & -5 & 1 \\ 1 & -2 & -3 \end{pmatrix}$ and $b = \begin{pmatrix} -1 \\ -6 \\ 20 \\ 1 \end{pmatrix}$. Orthogonalize the columns of A and find a pseudosolution of the linear system $Ax = b$.

Var. 8 (131129)*Shamas*

Let $A = \begin{pmatrix} 4 & 2 & 2 \\ -2 & -4 & -2 \\ 3 & -3 & -1 \\ -2 & -2 & -1 \end{pmatrix}$ and $b = \begin{pmatrix} 15 \\ -13 \\ -10 \\ -16 \end{pmatrix}$. Orthogonalize the columns of A and find a pseudosolution of the linear system $Ax = b$.

Var. 9 (131129)*Umar*

Let $A = \begin{pmatrix} 1 & 4 & 4 \\ -2 & -3 & 3 \\ -1 & -4 & 1 \\ 2 & 3 & 2 \end{pmatrix}$ and $b = \begin{pmatrix} 12 \\ -9 \\ -15 \\ 2 \end{pmatrix}$. Orthogonalize the columns of A and find a pseudosolution of the linear system $Ax = b$.

Var. 10 (131129)*Yasir*

Let $A = \begin{pmatrix} 1 & 5 & 4 \\ 1 & -4 & 1 \\ -2 & 5 & 2 \\ 1 & 2 & 5 \end{pmatrix}$ and $b = \begin{pmatrix} -13 \\ 18 \\ -4 \\ -8 \end{pmatrix}$. Orthogonalize the columns of A and find a pseudosolution of the linear system $Ax = b$.

Var. 11 (131129)*Zunaira*

Let $A = \begin{pmatrix} 2 & 1 & 3 \\ 3 & 1 & 5 \\ 2 & 1 & 4 \\ -1 & -1 & -4 \end{pmatrix}$ and $b = \begin{pmatrix} -1 \\ -6 \\ -8 \\ 5 \end{pmatrix}$. Orthogonalize the columns of A and find a pseudosolution of the linear system $Ax = b$.

Var. 12 (131129)

Let $A = \begin{pmatrix} 2 & 2 & 1 \\ -2 & 4 & 5 \\ 1 & 1 & 2 \\ -1 & 5 & 1 \end{pmatrix}$ and $b = \begin{pmatrix} 0 \\ -3 \\ -10 \\ 12 \end{pmatrix}$. Orthogonalize the columns of A and find a pseudosolution of the linear system $Ax = b$.