Which of the following sets of vectors are linearly independent? (Check the boxes for linearly independent sets.)

☐ $A = \left\{ \begin{bmatrix} 6 \\ -8 \end{bmatrix} \right\}$

☐ $B = \left\{ \begin{bmatrix} -4 \\ -7 \\ 0 \end{bmatrix}, \begin{bmatrix} -5 \\ 6 \\ 0 \end{bmatrix}, \begin{bmatrix} -8 \\ 2 \\ 0 \end{bmatrix} \right\}$

☐ $C = \left\{ \begin{bmatrix} -9 \\ 3 \\ 5 \end{bmatrix}, \begin{bmatrix} 4 \\ 9 \\ 7 \end{bmatrix}, \begin{bmatrix} 5 \\ -12 \\ -12 \end{bmatrix} \right\}$

☐ $D = \left\{ \begin{bmatrix} 0 \\ 0 \end{bmatrix}, \begin{bmatrix} -9 \\ -7 \end{bmatrix} \right\}$

☐ $E = \left\{ \begin{bmatrix} 8 \\ 1 \\ -2 \end{bmatrix}, \begin{bmatrix} -1 \\ -6 \\ -3 \end{bmatrix} \right\}$

☐ $F = \left\{ \begin{bmatrix} 5 \\ 4 \end{bmatrix}, \begin{bmatrix} 9 \\ 7 \end{bmatrix}, \begin{bmatrix} -3 \\ -2 \end{bmatrix} \right\}$

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