

Quiz (Section 1.3)-A

Name: _____

Signature: _____

SHOW ALL YOUR WORK!Determine if \mathbf{b} is in the span of the columns of the matrix A , where

$$A = \begin{bmatrix} 1 & -4 & 2 \\ 0 & 3 & 5 \\ -3 & 12 & -6 \end{bmatrix}, \mathbf{b} = \begin{bmatrix} 3 \\ -7 \\ -3 \end{bmatrix}.$$