

Name \_\_\_\_\_ Linear Algebra; Quiz 2

1) Find a matrix in echelon form that is row-equivalent to  $\begin{bmatrix} 1 & 2 & 0 \\ 2 & 10 & 12 \\ 0 & 3 & 6 \end{bmatrix}$

2) Is the vector  $\begin{bmatrix} 0 \\ 12 \\ 6 \end{bmatrix}$  in the span of  $\left\{ \begin{bmatrix} 1 \\ 2 \\ 0 \end{bmatrix}, \begin{bmatrix} 2 \\ 10 \\ 3 \end{bmatrix} \right\}$ ? Why or why not?