

Name _____ Quiz 2

1) Use an augmented matrix and row operations to find the inverse of the matrix below.

$$A = \begin{bmatrix} 2 & 2 & -1 \\ 0 & 1 & 3 \\ 0 & 0 & 1 \end{bmatrix}$$

2) Find a vector that is a linear combination of \vec{u} and \vec{v} below. Justify your answer.

$$\vec{u} = \begin{bmatrix} 1 \\ 0 \\ 0 \\ 2 \\ 3 \end{bmatrix} \quad \vec{v} = \begin{bmatrix} 0 \\ 1 \\ 1 \\ 2 \\ 0 \end{bmatrix}$$