

Math 3160 Quiz 2

Name: _____

$$\text{Let } A = \begin{bmatrix} 1 & 2 & 0 & 1 & 1 \\ -1 & 2 & 1 & 5 & 1 \\ 0 & 2 & 0 & -2 & 0 \\ 1 & 2 & 0 & 1 & 1 \end{bmatrix}$$

1. Compute $\text{COL}(A)$ and express as span of basis.

2. Compute the $\text{NUL}(A)$.

3. Compute the $\dim(\text{NUL}(A))$ and $\dim(\text{COL}(A))$.