

Quiz 2

For the following questions, use the matrix A listed below:

$$A = \begin{bmatrix} 2 & -4 & 9 & 5 & -5 \\ -3 & 6 & -10 & 3 & 4 \\ 1 & -2 & -1 & -14 & 3 \end{bmatrix}$$

1. (2 points) Find a basis for the Row Space of A.
2. (2 points) Find a basis for the Column Space of A.
3. (3 points) Find a basis for the Null Space of A.
4. (3 points) Determine the rank of A, the nullity of A, and the dimension of the row space of A.