

MA 262 - Quiz 8 (Lessons 19–22)

Given a matrix

$$A = \begin{bmatrix} 1 & 2 & 1 \\ 3 & 0 & 2 \\ 2 & -2 & 1 \\ 5 & 4 & 4 \end{bmatrix},$$

1. Find a basis of $\text{Nul } A$, and a basis of $\text{Col } A$.
2. Find $\text{rank } A$, $\dim \text{Nul } A$, $\dim \text{Col } A$ and $\dim \text{Row } A$.