

MA 262 - Quiz 8 (Lessons 19–22)

1. Find the rank of the matrix

$$\begin{bmatrix} 1 & 2 & 1 \\ 3 & 0 & 5 \\ 5 & -2 & 9 \\ 2 & -2 & 4 \end{bmatrix}.$$

2. Find all eigenvalues of the matrix

$$\begin{bmatrix} -2 & 2 \\ -2 & 3 \end{bmatrix}.$$