

4. A 10×10 matrix A is given by

$$A = \begin{pmatrix} 1 & 2 & 3 & \dots & 10 \\ 2 & 4 & 6 & \dots & 20 \\ 3 & 6 & 9 & \dots & 30 \\ \vdots & \vdots & \vdots & \ddots & \vdots \\ 10 & 20 & 30 & \dots & 100 \end{pmatrix}$$

5.

Find the rank of the matrix A .

