

Answer on Question #74840 – Math – Linear Algebra

Question

Which of the following statement are True: if a matrix has n^2 entries , where n belongs to N , then it is a square matrix.

Solution

If a matrix has n^2 entries, where n belongs to N , then it does not always mean that the matrix is square. For example, if $n=6$, then a matrix may have the sizes (6×6) , (4×9) or (9×4) . Therefore, this statement is false in general.

Answer: false.