

CLASS 12

MATHEMATICS

REVISION NOTES

Class 12 Mathematics Chapter 3 Matrices – Revision Notes

Quick revision notes for Class 12 Maths Chapter 3 (Matrices). These Class 12 Mathematics Chapter 3 notes are ideal for quick revision just before exams.

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Class 12 Mathematics Chapter 3 – Solutions and Important Questions

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Types

Row, column, square, diagonal, scalar, identity, zero matrix.

Operations

Addition/subtraction: same order, element-wise.

Multiplication AB : $\text{cols}(A) = \text{rows}(B)$.

Not commutative: $AB \neq BA$ generally.

Transpose

A' : rows $\leftrightarrow$ columns. Symmetric: $A' = A$. Skew-symmetric: $A' = -A$.

Any square matrix = symmetric + skew-symmetric parts.

One-Line Summary

Matrices are rectangular arrays supporting addition, scalar multiplication, and (non-commutative) matrix multiplication, decomposable into symmetric and skew-symmetric parts, forming the foundation for solving linear systems.

Class 12 Mathematics Chapter 3 – Solutions and Important Questions

Need full answers or more practice? See the [Class 12 Mathematics Chapter 3 Solutions](#) and [Class 12 Mathematics Chapter 3 Extra Questions](#).

See also: [Chapter 1](#) | [Chapter 2](#) | [Chapter 3](#)

Practice more: [Chapter 1](#) | [Chapter 2](#) | [Chapter 3](#)

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