

CLASS 11

MATHS

REVISION NOTES

Class 11 Maths Chapter 9 Straight Lines – Revision Notes

Quick revision notes for Class 11 Maths Chapter 9 (Straight Lines). These Class 11 Maths Chapter 9 notes are ideal for quick revision just before exams.

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Slope

$$m = (y_2 - y_1) / (x_2 - x_1) = \tan \theta.$$

Parallel: $m_1 = m_2$. Perpendicular: $m_1 \times m_2 = -1$.

Equation Forms

Point-slope: $y - y_1 = m(x - x_1)$.

Slope-intercept: $y = mx + c$.

Intercept form: $x/a + y/b = 1$.

General form: $Ax + By + C = 0$.

Distance

Between 2 points: $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$.

Point from line: $d = |Ax_1 + By_1 + C| / \sqrt{A^2 + B^2}$.

One-Line Summary

Straight lines are analysed via slope (rate of rise), multiple equation forms depending on given information, and distance formulas for points and lines — with parallel/perpendicular conditions based on slope relationships.

Class 11 Maths Chapter 9 – Solutions and Important Questions

Need full answers or more practice? See the [Class 11 Maths Chapter 9 Solutions](#) and [Class 11 Maths Chapter 9 Extra Questions](#).

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