

CLASS 11

MATHS

REVISION NOTES

Class 11 Maths Chapter 3 Trigonometric Functions – Revision Notes

Quick revision notes for Class 11 Maths Chapter 3 (Trigonometric Functions). These Class 11 Maths Chapter 3 notes are ideal for quick revision just before exams.

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Angle Measure

π radians = 180° .

1 radian: angle subtended by arc = radius.

Quadrant Signs (All Sin Tan Cos)

QI: all +; QII: sin+; QIII: tan+; QIV: cos+.

Key Identities

$\sin^2\theta + \cos^2\theta = 1$; $1 + \tan^2\theta = \sec^2\theta$; $1 + \cot^2\theta = \operatorname{cosec}^2\theta$.

Sum/Difference Formulas

$\sin(A \pm B) = \sin A \cos B \pm \cos A \sin B$.

$\cos(A \pm B) = \cos A \cos B \mp \sin A \sin B$.

Trigonometric Equations

Periodic $\rightarrow$ infinitely many solutions; general solution uses integer parameter n .

One-Line Summary

Trigonometric functions extend beyond acute angles using radians and the unit circle, governed by core identities and sum/difference formulas, with equations yielding infinitely many periodic solutions.

Class 11 Maths Chapter 3 – Solutions and Important Questions

Need full answers or more practice? See the [Class 11 Maths Chapter 3 Solutions](#) and [Class 11 Maths Chapter 3 Extra Questions](#).

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

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

Quick revision: [Chapter 2](#)

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