

CLASS 11

MATHS

REVISION NOTES

Class 11 Maths Chapter 10 Conic Sections – Revision Notes

Quick revision notes for Class 11 Maths Chapter 10 (Conic Sections). These Class 11 Maths Chapter 10 notes are ideal for quick revision just before exams.

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Types

Circle: perpendicular plane cut.

Ellipse: angled plane cut (not parallel to edge).

Parabola: plane parallel to slant edge.

Hyperbola: plane cuts both nappes.

Standard Equations

Circle (centre h,k): $(x-h)^2+(y-k)^2=r^2$.

Parabola: $y^2=4ax$.

Ellipse: $x^2/a^2+y^2/b^2=1$.

Hyperbola: $x^2/a^2-y^2/b^2=1$.

Key Definitions

Parabola: equidistant from focus & directrix.

Ellipse: sum of distances to 2 foci = constant.

Hyperbola: |difference| of distances to 2 foci = constant.

One-Line Summary

Conic sections (circle, parabola, ellipse, hyperbola) arise from slicing a cone at different angles, each with a standard equation and a defining distance property relating to focus/foci.

Class 11 Maths Chapter 10 – Solutions and Important Questions

Need full answers or more practice? See the [Class 11 Maths Chapter 10 Solutions](#) and [Class 11 Maths Chapter 10 Extra Questions](#).

See also: [Chapter 2](#) | [Chapter 3](#) | [Chapter 4](#) | [Chapter 5](#) | [Chapter 6](#) | [Chapter 7](#) | [Chapter 8](#) | [Chapter 9](#) | [Chapter 10](#)

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