

Common tangents

Q.N ① Construct an external/direct/uncrossed common tangents between two circles of diameter 30mm 60mm, where center to center distance is 70mm.

② Construct an internal/indirect/crossed common tangents between two circles of diameter 30mm and 60mm, where center to center distance is 70mm.

Conic Section:-

Q.N ① Construct an ellipse, by using 'four center method', where major axis is 80mm and minor axis is 50mm.

2) Construct a parabola, where base of parabola is 70mm and axial height is 60mm (Use tangent/triangular method).

3) Construct a hyperbola, where the distance of focus from directrix is 25mm and eccentricity is $\frac{3}{2}$.

Common tangents

Q.N. ① Construct an external / direct / uncrossed common tangents between two circles of diameter $\phi 30$ mm and $\phi 60$ mm, where center to center distance is 70 mm.

② Construct an internal / indirect / crossed common tangents between two circles of diameter $\phi 30$ mm and $\phi 60$ mm, where center to center distance is 70 mm.

Conic Section:-

Q.N. ① Construct an ellipse by using 'four center method', where major axis is 80 mm and minor axis is 50 mm.

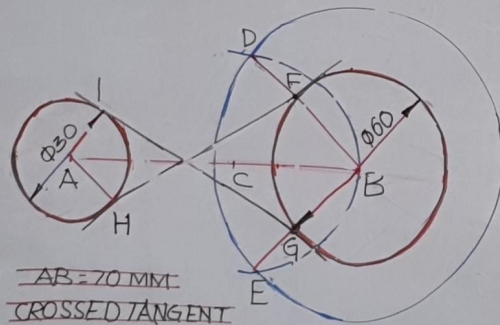
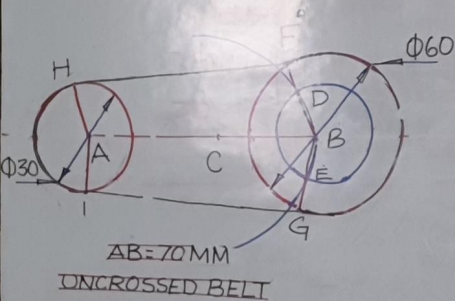
2) Construct a parabola, where base of parabola is 70 mm and axial height is 60 mm. (Use tangent / triangular method)

3) Construct a hyperbola, where the distance of focus from directrix is 25 mm and eccentricity is $3/2$.

$BF \parallel AH$
 $BG \parallel AI$

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 $BG \parallel AI$

$$r = r_2 + r_1 = 45$$

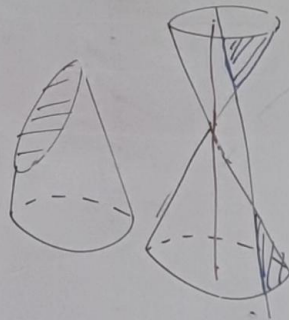
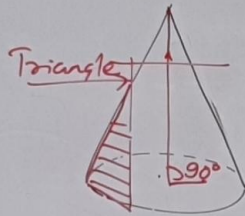
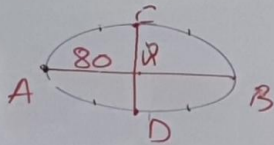


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Conic Section:-

- Q.N ① Construct an ellipse, by using 'four center method', where major axis is 80mm and minor axis is 50mm .
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- 3) Construct a hyperbola, where the distance of focus from directrix is 25mm and eccentricity is $3/2$.

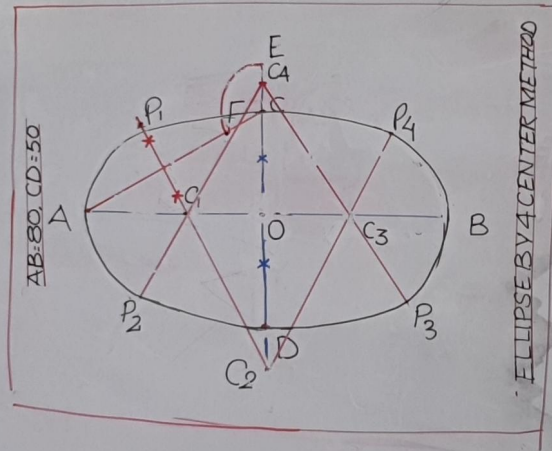
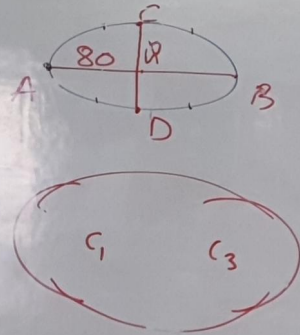


Common tangents

- Q.N. ① Construct an external/direct/uncrossed common tangents between two circles of diameter (30mm) and 60mm , where center to center distance is (70mm) .
- ② Construct an internal/indirect/crossed common tangents between two circles of diameter 30mm and 60mm , where center to center distance is (70mm) .

Conic Section:

- Q.N. ① Construct an ellipse, by using 'four center method', where major axis is (80mm) and minor axis is (50mm) .
- 2) Construct a parabola, where base of parabola is 70mm and axial height is 60mm . (Use tangent/triangular method)
- 3) Construct a hyperbola, where the distance of focus from directrix is 25mm and eccentricity is $3/2$.

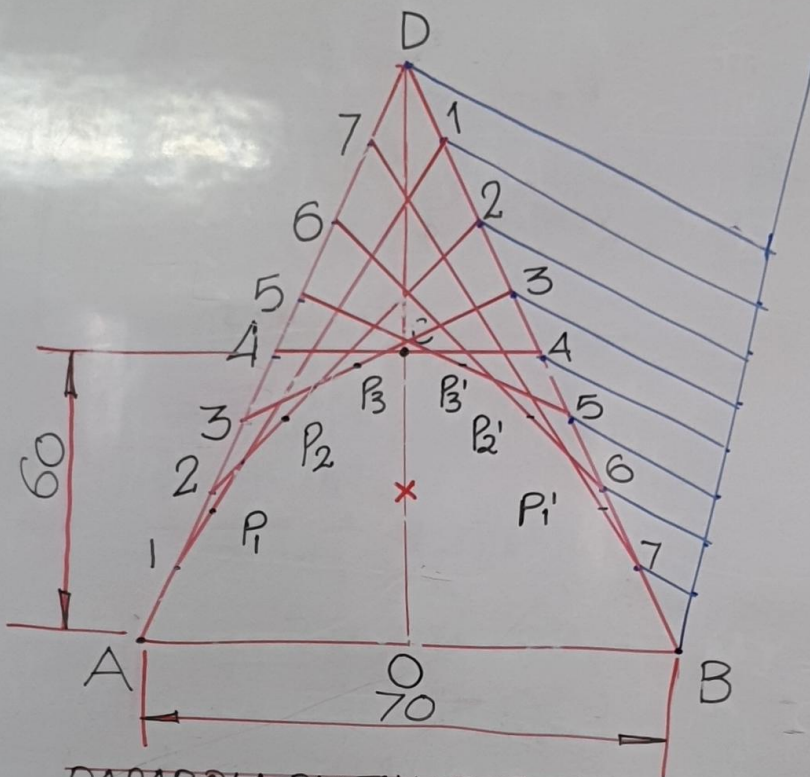


1)	2)	3)	4)
5)	6)	7)	
8)	9)	10)	

Common tangents H

- Q.N. ① Construct an external / direct / uncrossed common tangent where center to center distance is 15 mm.
- ② Construct an internal / indirect / crossed common tangent where center to center distance is 60 mm, where center to center distance is 15 mm.
- Conic Section:-

- Q.N. ① Construct an ellipse, by using 'four center method'.
- 2) Construct a parabola, where base of parabola is 70 mm and height is 60 mm.
- 3) Construct a hyperbola, where the distance of focus from vertex is 40 mm.



PARABOLA BY TANGENT METHOD

