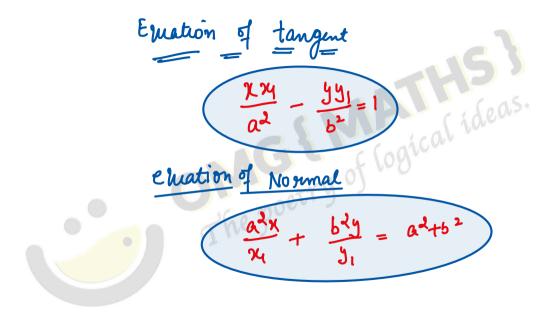
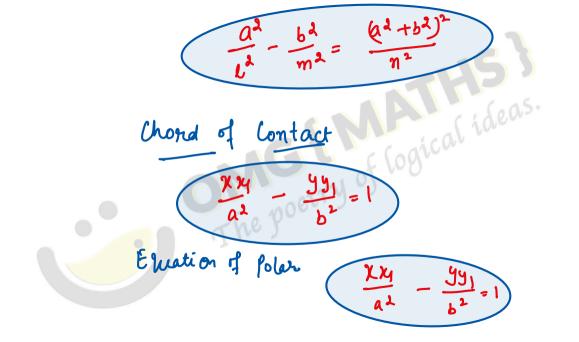


Rectangular hyperbola Length of transverse and Conjugate eccentricity = 52 try of 100 side as. emption of The asymptotes - X+y=0 , X-Y=0

Conjugate Hyperbola Two hyperbolas s.t. transverse and Conjugate axis of One are respectively lonjugate and transwer axis of other. are called Conjugate hyperbola $\frac{\chi^2}{a^2} - \frac{y^2}{b^2} = 1 + \frac{y^2}{a^2} - \frac{\chi}{b^2} = 1$ are Conjugate.



Condition of tangency dine lx+my+n=0 is tangent to hyperbola $\frac{\chi^2}{h^2} - \frac{y^2}{h^2} = 1$ if a2 12 - bdm2 -n J= mx+c is tangent to hyperbola × - y =1 = a2m2-b2



Equation of Pair of tangents x2 - y2 -Pole Lx+ my+n=0 line

