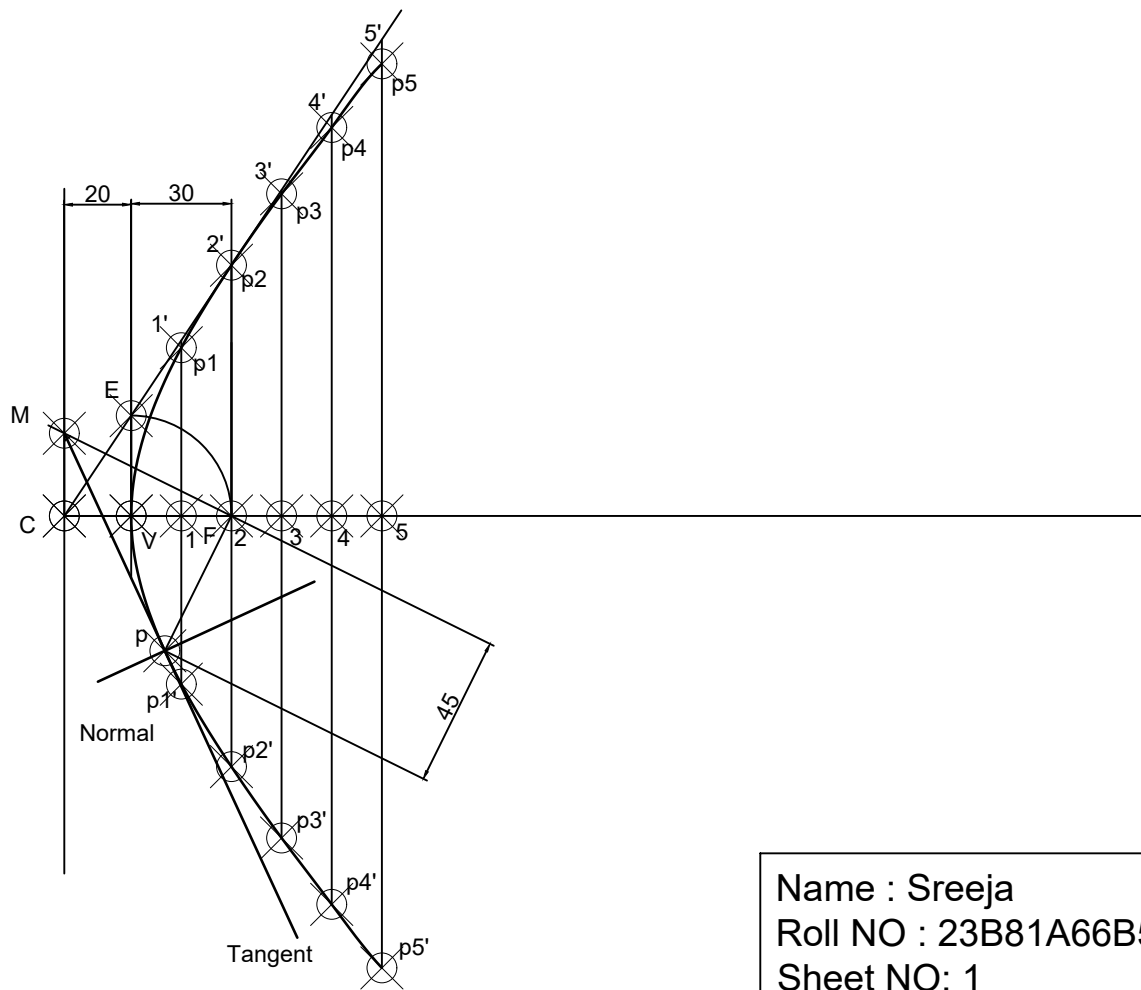


1. Draw the hyperbola when the focus and the vertex are 30 mm apart. Consider eccentricity as $3/2$. Draw a tangent and a normal to the curve at a point 45 mm from the focus.



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