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4 tangents and normals Nov 162022 normal at a point find the equation of the normal to y f x at $\mathrm{p} x 0$ y 0 px 0 y 0 p lies on the curve dy dx differentiate slope of tangent is substitute $\mathrm{x} \times 0$ therefore slope of the normal is 1 it passes through x 0 y 0 so equation of the normal is y y 0 m x x 0 i e y x
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