

MJC (MATH)

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- [1] State and Explain "Taylor's Theorem"
- [2] Explain perpendicular from pole on Tangent
- [3] Evaluate from the first principle $\int \frac{dx}{x^2}$
- [4] Explain Reduction formula for $\int \sin^n x dx$

MJC & IDC (MATH)

- [1] Find the whole area of the curve $r = 2a \cos \theta$.
- [2] Find the entire length of the cardioid $r = a(1 + \cos \theta)$. Also show that the arc of the upper half of the cardioid is bisected at $\theta = \pi/3$.