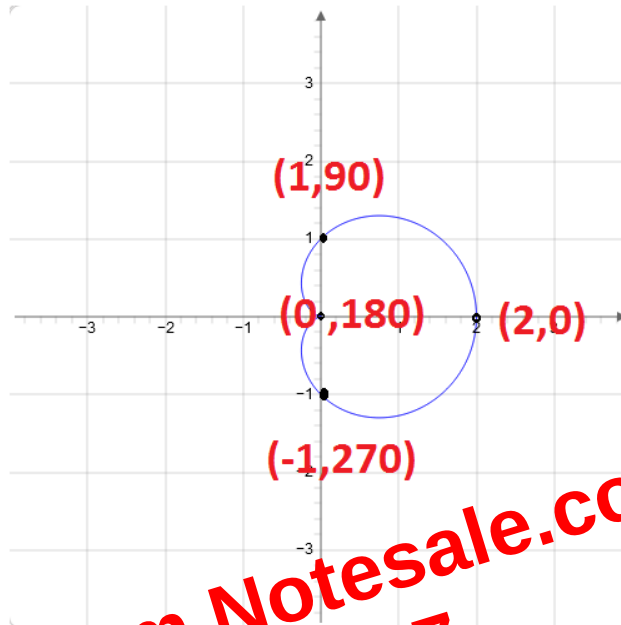




Preview from Notesale.co.uk
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Figure 1:

(b)

Area of region inside the cardioid $r = a(1 + \cos \theta)$, $a > 0$

$$A = \int_0^{2\pi} \frac{1}{2} r^2 d\theta$$