

$$\frac{y}{2} = \frac{1}{4} \frac{y}{2} \frac{y}{2} = \frac{1}{4} \frac{y}{2} = \frac{1$$

O2. Find the circle of warrature to the curve Ix + Jy = Ja as Sol: Given curve: Ix + Jy = Ja At (a, a) = - Jary = - Jary = > y, = - Jary = $= \int x \times d(\sqrt{y}) - \sqrt{y} \times d(\sqrt{x})$ $= \int x \cdot 1 \cdot dy' - \int y \cdot 1$ $= \int x \cdot 1 \cdot dy' - \int y \cdot 1$ $= \underbrace{-1}_{A} \underbrace{A + \left(\alpha, \alpha \right)_{o}^{o} - y_{a}^{o} = -1}_{2}$

Now,
$$y = (1+y^{3})^{2}$$

$$= (1+(-1)^{3})^{2}$$

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$$= (1+(-1)^{3})^{2}$$

$$= 2^{3}x^{2}$$

$$= 3^{2}x^{2}$$

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