## Swiface area

C is a smooth curve given by C=(x(t),y(t))  $t\in[\alpha,\beta]$ .

L: ax+by+c=0

C does not cross L.

Area of surface of revolution obtained by rotating

C around L is. [277 [ax+byte]]

$$L = x \text{ axis,} \quad C: \lambda = f(x).$$

$$L = y \text{ axis,} \quad C: x = f(y)$$

$$(1)^{+} \cdot C^{+} \cdot A^{+} = X^{+3} + A^{+} + A$$

$$2. C: 3 = \frac{x^3}{6} + \frac{1}{2x}$$

L: x. axis.

Area(s) = 
$$\frac{1}{2}$$
  $\frac{1}{2}$   $\frac{1}$ 

3. C: 
$$x = \sqrt{a^2 - \mathcal{Y}}$$
.

$$\int_{0}^{1} 2\pi \int_{0}^{1} 4\pi \int_{$$