• $\int \frac{dx}{x - \sqrt[4]{x}}$; Utilizar c.v.

$$\int \frac{dx}{x - \sqrt[4]{x}} = \int \frac{4t^3 dt}{t^4 - \sqrt[4]{t^4}} = \circledast$$

$x = t^4$
$dx = 4t^3 dt$

$$\circledast = 4\int \frac{t^3}{t^4 - t}\, dt = 4\int \frac{t^2}{t^3 - 1}\, dt = \circledast^2$$

$$\frac{d}{dt}(t^3 - 1) = 3t^2$$

$$\circledast^2 = 4\,\frac{1}{3}\int \frac{3t^2}{t^3 - 1}\, dt = \frac{4}{3}\ln|t^3 - 1| + C =$$

$$= \frac{4}{3}\ln|x^{3/4} - 1| + C$$

$x = t^4 \Rightarrow t = \sqrt[4]{x}$