Indefinite integral example

Calculate indefinite integral of function below

$$\int \frac{1-\cos^2 x}{\sin x} \cdot dx$$

$$\sin^2 x + \cos^2 x = 1 \rightarrow 1 - \cos^2 x = \sin^2 x$$

$$\int \frac{\sin^2 x}{\sin x} \cdot dx = \int \sin x \cdot dx$$

$$\int \sin x \cdot dx = -\cos x + C$$