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

$$x = \operatorname{arcsin} t^2$$
 $\frac{dx}{dt} = \frac{1}{\sqrt{1-t^4}} \cdot 2t = > dx = \frac{2t}{\sqrt{1-t^4}} \cdot dt$

$$\Rightarrow$$
 $dx = \frac{2}{}$

Co> x = co> (arcsin t2) =
$$\sqrt{1-\sin^2(ac\sin t^2)} = \sqrt{1-t^4}$$

$$= \int \frac{\sqrt{1-t^4} \cdot e^t}{2t} \cdot \frac{2t}{\sqrt{1-t^4}} dt = \int e^t dt = e^t + c =$$

$$\frac{352}{\sqrt{8-3x}} \int \frac{6}{\sqrt{8-3x}} dx = 3 - \frac{1}{2}$$

$$\frac{1}{\sqrt{8-3x}} = 3 + \frac{1}{\sqrt{8-3x}}$$

$$\frac{1}{\sqrt{8-3x}} = 3$$

$$\int \frac{e^x}{e^{2x}+1} dx; \quad t=e^x.$$

$$[\arctan e^x + c]$$

$$= \int \frac{t}{t^2 + 1} \cdot \frac{1}{t} dt =$$

$$d \times = \frac{1}{t} dt$$

t = e × × = lut

=
$$\int \frac{1}{t^2+1} dt = auctan t + c = [auctan e^x + c]$$

$$\int \frac{e^x}{e^x - e^{-x}} dx =$$

$$\left[\frac{1}{2}\ln|e^{2x}-1|+c\right] =$$

$$= \int \frac{t}{t} \cdot \frac{1}{t} dt = \int \frac{t}{t} dt = \int \frac{t}{t} dt$$

$$olx = 1 dt$$

$$= \int \frac{1}{t^2 - 1} dt = \int \frac{t}{t^2 - 1} dt = \frac{1}{2} \int \frac{2t}{t^2 - 1} dt = \frac{1}{2} \int \frac{2t}{t^2$$

$$= \frac{1}{2} \ln |t^2 - 1| + C = \frac{1}{2} \ln |e^{2x} - 1| + C$$

$$\frac{\sin x}{4 + \cos^{2}x} dx = \begin{bmatrix} -\frac{1}{2} \arctan \frac{\cos x}{2} + c \end{bmatrix}$$

$$t = \frac{\cos x}{2}$$

$$\frac{\sin x}{4 \left(1 + \left(\frac{\cos x}{2}\right)^{2}\right)}$$

$$2t = \cos x$$

$$x = \arccos(2t)$$

$$\frac{dx}{dt} = -\frac{1}{\sqrt{1 - 4t^{2}}}$$

$$\frac{dx}{dt} = -\frac{1}{\sqrt{1 - 4$$

$$\frac{381}{2\cos^{2}x} = \frac{1}{2\cos^{2}x} + \ln|\cos x| + c$$

$$\frac{16}{1+\cos x} = \frac{1}{1+t^{2}} = \frac{1}{1+t^{2$$

$$1 + tou \times = 1 + \frac{\sin^2 x}{\cos^2 x} =$$

$$= \frac{\cos^2 x + \sin^2 x}{\cos^2 x} = \frac{1}{\cos^2 x}$$

TENATIVO OK'.

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$$\int \frac{1}{\tan^3 x} dx = \left[-\frac{1}{2\sin^2 x} - \ln|\sin x| + c \right]$$

$$\int_0^{\pi} \frac{1}{1 + \cos^2 x} dx = \int_0^{\pi} \frac{1}{1 + c^2} dx = \int_0^{\pi} \frac{1}{1 + c^2} dx$$

$$= \int_0^{\pi} \frac{1}{1 + c^2} dx = \int_0^{\pi} \frac{1$$

 $dx = -\frac{1}{1+t^2} dt$