Let
$$y = +ei \pi \sqrt{\frac{1-\cos x}{1+\cos x}}$$
.

DifferentioneWE Juwien Opof with respect to x'

$$\frac{dy}{dx} = \frac{1}{2} \frac{d}{dx}(x)$$

$$-\frac{d\gamma}{dx} = \frac{1}{2} \times 1$$

$$\frac{dy}{dx} = \frac{1}{2}$$

cos20 = coso-sino Sin0 + cos0=1 日二人 COS2X = cosx-sind = cosx - (1-cosx) = COSX-1+(05x = 2 cos x -1 cos21+1=2cosx COSX+1=2003x/2 1+ cosx = 2 cos 2/12 Similarly

let
$$y = \cos^2(\log x)$$
 -1

$$\frac{dy}{da} = -\frac{1}{1 - (\log 2)^2} \frac{d}{dx} \left[\log 2 \right]$$

$$\frac{dy}{dx} = -\frac{1}{\sqrt{1-(\cos x)^2}}$$

$$\frac{dy}{dx} = -\frac{1}{\sqrt{1-\frac{\log x}{2}}} \frac{d}{dx} \left[\frac{\log x}{\log 2} \right] - --\frac{\beta y \text{ change}}{(\log 2)^2}$$
of base low

$$\frac{dy}{dz} = -\frac{1}{(\log z)^2 - (\log x)^2} \times \frac{1}{\log 2} \times \frac{1}{2}$$

$$\frac{dy}{dz} = -\frac{\log z}{(\log 2)^2 - (\log x)^2} \times \frac{1}{\log 2} \times \frac{1}{2}$$

$$\frac{dy}{dx} = -\frac{1}{x \sqrt{(\log 2)^2 - (\log x)^2}}$$