$$\frac{\partial n}{\sin^2 x} \frac{\partial \log x}{\cos^2 x} = \frac{1}{2} \left(1 - \cos 2x \right)$$

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

 $Sin(a+b) = sina \cdot cosb + sinb \cdot cosa$ $sin(a-b) = sina \cdot cosb - sinb \cdot cosa$

 $\frac{1}{2}\left[\sin(a+b)+\sin(a-b)\right]=\sin a-\cosh b$

 $\frac{1}{2}\left[\cos(a+b)+\cos(a-b)\right]=\cos a. \cos b$

 $\frac{1}{2}\left[\cos\left(a-b\right)-\cos\left(a+b\right)\right]=\sin a. \sin b$

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 $\cos(a+b) = \cos a \cdot \cos b - \sin a \cdot \sinh \Omega$ $+ \cos(a-b) = \cos a \cdot \cos b + \sin a \cdot \sinh \Omega$

$$1 + \cot^2 x = \csc^2 x$$

$$\cos 2x = \cos^2 x - \sin^2 x$$

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

1-552-522x =

= 2512x = 1-c082x

Secx. cosecx = Lanx+cotx

Sin2x = = (1- cos 2x)

 $Sin^2x = \frac{1}{2}(1-\cos 2x)$

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

 $1 + \tan^2 x = \sec^2 x$