

$$\frac{d}{dx}(2 \cos x \sin y) = \frac{d}{dx}(1)$$

$$\Rightarrow 2[\cos x \cdot \cos y \cdot y' + \sin y \cdot (-\sin x)] = 0$$

$$\Rightarrow y'(2 \cos x \cos y) = 2 \sin x \sin y$$

$$\Rightarrow y' = \frac{2 \sin x \sin y}{2 \cos x \cos y} = \tan x \tan y$$