

Q 00

$$\frac{7}{4} \times 2 \cdot \frac{1}{4} \cos x$$

$$= \frac{\cos(x+ox) - \cos x}{ox}$$

$$= \frac{\cos(x+ox) - \sin x \sin x - \cos x}{ox}$$

$$= \frac{\cos x \cos x - \sin x \sin x}{ox} - \cos x$$

$$= \frac{\cos x \cdot (\frac{\cos x - 1}{ox}) - \sin x}{ox} \cdot \frac{\sin x}{ox}$$

$$= \frac{\cos x \cdot (\frac{\cos x - 1}{ox}) - \sin x}{ox} \cdot \frac{\sin x}{ox}$$

General Derivative Rules

Product	rule:	
'	(UV) = WV+ UV'	
^	,	

· Quotient rule:

$$\left(\frac{u}{v}\right)' = \frac{u'v - uv'}{v^2} \qquad (v \neq 0)$$