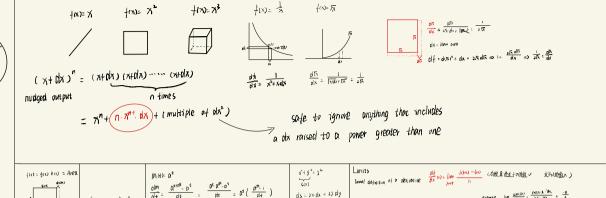
# derivatives 微分 through the area of a circus seperate the circle into numberous rings \_\_\_\_\_ Trapezoid Area = 1-3 h = 133 m = 131 daaxda da ax et a ton

# What is a derivative

dt on tiny change

wrong; instantaneous rate of change

correct: the best constant approximation for rate of change



(e.S) definition of

L' Hipital's rule

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## Antiderative

#### Integral 积分

 $\frac{\int_0^b |t(x)| dx}{b-b} = \frac{F(b) - F(a)}{b-a}$ 

 $\frac{dF}{dx} = +(x)$ 

### Taylor series

the defination of  $e : \frac{e^{it}-1}{it} =$ 

