### Exem I Review

Paus Rule

9x X1 = (X1-1

Most lor ( EZ'

By the definition of J'(x) if  $J(x) = X' = \lim_{\Delta x \to 0} \frac{(x + \Delta x)' - x'}{\Delta x}$ 

che find the limit indirectly, identifying it evectable:

But if  $p=x+\mu$  ' a=x then  $\lim_{n\to\infty}\frac{\mu}{(x+\mu)_n-x_n}=1, (x)=\mu x_{n-1}$ 

## your La vederine mess extrust

For  $m = -u \Rightarrow m \in \mathbb{Z}_+ \circ \frac{q_x}{q} \chi_u = m \chi_{u-1}$ 

Xu = X-m = , | Xm + DX , | Xm = - (Xm)= - - LuX , = - LuX , = - LuX , = \( \alpha \times \) = \( \alpha \times \) = \( \alpha \times \) = \( \alpha \times \)

# Generative of the functions of expensives (chain take region of past take) Les haves the form of expensives (chain take region of past take)

x follib got . I was belief ix to substitute of it is so in log dillet x

### Geneticed to Relicael exponents

y= or, u dill Indx, r= Pla e Q

97 : LOL-1

94 - 97 9x - 12, 9x

\* total area: 1112

also of social originals = (31) 112 = 101,

$$\frac{2}{2} > 0 < \frac{1}{2} > 0 < \frac{1}{2} > 0$$

$$col\theta < \frac{\theta}{2iu\theta} < \frac{col\theta}{1}$$

$$col\theta < \frac{2iu\theta}{\theta} < \frac{col\theta}{1}$$

### Squeeze bu of limits

Anx is addining. If 
$$A = S_{x}$$
 then  $A = X$ 

A =  $A = A = A$ 

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