Agenda: 8/25/15

HW Leader:

Period 3

Period 4 M

> Me Alternate defat obsizentine More chain rule lesson 44

(hain Rule: 2/x(f(g(x)))=f'(g(x)).g'(x)

If h= sint and t= 1 find the Ex 44.3

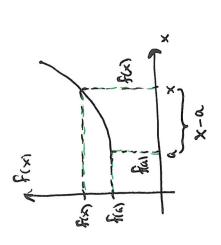
$$\frac{dy}{dz} = los(t), \left(-\frac{1}{2}z^{-3/2}\right) = \left(-\frac{1}{2}z^{-3/2}los(z^{-1/2})\right)$$

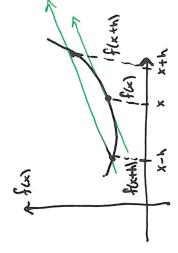
Ex. Find dw if w=ln | sin (x2+2) |

$$dw = d\left(\ln(\sin(x^{2}+2))\right) = \frac{1}{\sin(x^{2}+2)} \cdot d\left(\sin(x^{2}+2)\right)$$

=
$$\frac{(\omega_{\delta}(x^{2}+z))}{S(n(x^{2}+z))}$$
, $d(x^{2}+z)$
= $\frac{(\omega_{\delta}(x^{2}+z))}{S(n(x^{2}+z))}$ (2x), dx

Alternate definitions of the Deviative.





Symmetric Deriverine

Use the alternate det to find f'(a) where f(x)=x2+1 (x2+1) - (02+1) XYISY f'(a) = x + a x - f(a) = x + a Lin メナタ 11 Ex 44. 4

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(x-(v)(x+a)

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Vour Turm: Do # 4,5 on HW