

	Problem 4.
	a) df(lnx2+5) 2x
	$\frac{1}{dx} = \frac{1}{x^2 + 5}$
	$\frac{6) df \left(lg \left(x^{2} 4 s \right) \right)}{dx} = \frac{2 x log(e)}{x^{2} + 5}$
	c) $\frac{df}{dx} \left(\frac{1}{\ln(x^2+s)} \right) = \frac{df}{dx} \left(\left(\ln(x^2+s) \right)^4 \right) = -\frac{2}{\chi(\ln(x^2)+s)^2}$
Problems:	a) 1 x dx = /n/x/+c
	5) \\ \frac{1}{7\times 1} \text{dx} = \frac{1\lambda 1.7\times 3}{7} + C
The House	c) In(x)dx = Juv' = uv-Ju'v = x/nx-x+c
	$\int x \ln x dx = \frac{x^2 \ln(x)}{2} - \frac{x^2}{4} + C$
	e) [x g xdx = loge) (x lnx x / 4)+c
Problem 6:	a) - Problem 7:
	a) 3n4
	b) 7 n3 logn
	C) 2 (1 0 (4)
	C) O(n)
	(0)
	e) - 1 - 1 - (9
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