

Math Sheet #7

Due July 22, 2005

Name: Date:

solve	solve	solve	solve
$\frac{d}{dx} D =$	$\frac{d}{dx} (ax)^b =$	$\frac{d}{dx} (ax^b + cx) =$	$\frac{d}{dy} (ay^b - y^c + dy - f)$
$\frac{d}{dx} e^x =$	$\frac{d}{dy} c^y =$	$\frac{d}{dy} \ln(y) =$	

Power of x .

$$\frac{d}{dx} c = 0 ; \frac{d}{dx} x = 1 ; \frac{d}{dx} x^n = n x^{(n-1)}$$

Exponential / Logarithmic

$$\frac{d}{dx} e^x = e^x ; \frac{d}{dx} b^x = b^x \ln(b) ; \frac{d}{dx} \ln(x) = 1/x$$