

Differentiation Rules Benchmark # 5

1.	$\frac{d}{dx}[u \pm v]$	
2.	c is a constant $\frac{d}{dx}[c \cdot u]$	
3.	$\frac{d}{dx}[u]$	
4.	$\frac{d}{dx}[\sin(u)]$	
5.	$\frac{d}{dx}[uv]$	
6.	$\frac{d}{dx}[\log_a(u)]$	
7.	$\frac{d}{dx}\left[\frac{u}{v}\right]$	
8.	$\frac{d}{dx}[f(g(x))]$	
9.	$\frac{d}{dx}[\arccos(u)]$	
10.	c is a constant $\frac{d}{dx}[c]$	
11.	$\frac{d}{dx}[u^n]$	
12.	$\frac{d}{dx}[\ln(u)]$	
13.	$\frac{d}{dx}[\cos(u)]$	

14.	$\frac{d}{dx}[\tan(u)]$	
15.	$\frac{d}{dx}[\sec(u)]$	
16.	$\frac{d}{dx}[\arctan(u)]$	
17.	$\frac{d}{dx}[x]$	
18.	$\frac{d}{dx}[\cot(u)]$	
19.	$\frac{d}{dx}[\operatorname{arccot}(u)]$	
20.	$\frac{d}{dx}[e^u]$	
21.	SETUP ONLY! $(f^{-1})'(a)$	
22.	$\frac{d}{dx}[a^u]$	
23.	$\frac{d}{dx}[\arcsin(u)]$	
24.	$\frac{d}{dx}[\csc(u)]$	
25.	$\frac{d}{dx}[\operatorname{arcsec}(u)]$	
26.	$\frac{d}{dx}[\operatorname{arccsc}(u)]$	