

Differentiation Rules Benchmark # 2

1.	$\frac{d}{dx}[f(x) \pm g(x)]$	
2.	$\frac{d}{dx}[q(x)^n]$	
3.	$\frac{d}{dx}\left[\frac{p(x)}{q(x)}\right]$	
4.	c is a constant $\frac{d}{dx}[c \cdot g(x)]$	
5.	$\frac{d}{dx}[g(f(x))]$	
6.	$\frac{d}{dx}[\sin(t(x))]$	
7.	$\frac{d}{dx}[\cot(r(x))]$	
8.	$\frac{d}{dx}[w(x) \cdot d(x)]$	
9.	$\frac{d}{dx}[\operatorname{arccot}(b(x))]$	
10.	c is a constant $\frac{d}{dx}[c]$	
11.	$\frac{d}{dx}[s(x)]$	
12.	$\frac{d}{dx}[\cos(n(x))]$	
13.	$\frac{d}{dx}[\operatorname{arccsc}(h(x))]$	

14.	$\frac{d}{dx}[x]$	
15.	$\frac{d}{dx}[\tan(m(x))]$	
16.	$\frac{d}{dx}[\sec(q(x))]$	
17.	$\frac{d}{dx}[a^{f(x)}]$	
18.	$\frac{d}{dx}[\ln(g(x))]$	
19.	$\frac{d}{dx}[\arccos(p(x))]$	
20.	$\frac{d}{dx}[e^{h(x)}]$	
21.	$\frac{d}{dx}[\csc(v(x))]$	
22.	$(f^{-1})'(d)$	
23.	$\frac{d}{dx}[\arcsin(h(x))]$	
24.	$\frac{d}{dx}[\log_a(b(x))]$	
25.	$\frac{d}{dx}[\operatorname{arcsec}(d(x))]$	
26.	$\frac{d}{dx}[\arctan(r(x))]$	