$\frac{d}{dx}[f(g(x))]$	$= f'(g(x))$	$\times\ g'(x)$
$\dfrac{dy}{dx}$	$\dfrac{dy}{du}$	$\dfrac{du}{dx}$
$\dfrac{d}{dx}\left[(5\sin(x)+3)^5\right]$	$5(5\sin(x)+3)^4$	$5\cos(x)$
$h'(1)$, if $h(z)=k(j(z))$, $j(1)=5$, $j'(1)=-4$, $k'(5)=3$, $k'(-4)=2$.	3	-4
z', where $z=\sin\left(\dfrac{2y^2}{y^2+1}\right)$	$\cos\left(\dfrac{2y^2}{y^2+1}\right)$	$\dfrac{d}{dy}\left[\dfrac{2y^2}{y^2+1}\right]$
$\dfrac{d}{dx}[e^{2x}]$	e^{2x}	2
$\dfrac{du}{dx}$	$\dfrac{du}{dr}$	$\dfrac{dr}{dx}$
$\dfrac{d}{dx}\left[(x^3-5)^7\right]$	$7(x^3-5)^6$	$3x^2$
$\dfrac{d}{dx}\left[\cos\big((x^3-5)^7\big)\right]$	$-\sin\big((x^3-5)^7\big)$	$\dfrac{d}{dx}\left[(x^3-5)^7\right]$
$\dfrac{d}{dt}\left[\sin\big(\sin(t)\big)\right]$	$\cos\big(\sin(t)\big)$	$\cos(t)$

$\frac{d}{dx}[f(g(x))]$	$=$ $f'(g(x))$	$\times$ $g'(x)$

$\frac{d}{dx}\left[(5\sin(x)+3)^5\right]$	$\frac{d}{dy}\left[\frac{2y^2}{y^2+1}\right]$	$\cos(t)$
$\frac{du}{dx}$	$\frac{d}{dx}\left[e^{2x}\right]$	$5(5\sin(x)+3)^4$
$\frac{d}{dt}\left[\sin\big(\sin(t)\big)\right]$	$\frac{d}{dx}\left[(x^3-5)^7\right]$	$3x^2$
$\frac{dy}{dx}$	$5\cos(x)$	$\frac{du}{dx}$
e^{2x}	-4	$7(x^3-5)^6$
z', where $z=\sin\left(\frac{2y^2}{y^2+1}\right)$	3	$-\sin\big((x^3-5)^7\big)$
$\frac{d}{dx}\left[(x^3-5)^7\right]$	$\frac{du}{dr}$	2
$h'(1)$, if $h(z)=k(j(z))$, $j(1)=5$, $j'(1)=-4$, $k'(5)=3$, $k'(-4)=2.$	$\cos\left(\frac{2y^2}{y^2+1}\right)$	$\frac{dy}{du}$
$\frac{d}{dx}\left[\cos\big((x^3-5)^7\big)\right]$	$\frac{dr}{dx}$	$\cos\big(\sin(t)\big)$