

טבלת הנגזרות			
$x' = 1$	2	$(c)' = 0$ (c - קבוע)	1
$(u \cdot v)' = u'v + uv'$	4	$(u + v + w)' = u' + v' + w'$ (x - פונקציות של w, v, u)	3
$\left(\frac{u}{v}\right)' = \frac{u'v - uv'}{v^2}$	6	$(c \cdot u)' = cu'$	5
$\left(\frac{c}{v}\right)' = -\frac{c}{v^2} \cdot v'$	8	$\left(\frac{u}{c}\right)' = \frac{u'}{c}$	7
$(u^\alpha)' = \alpha \cdot u^{\alpha-1} u'$	10	$(x^\alpha)' = \alpha \cdot x^{\alpha-1}$ α - מספר ממשי	9
$(\sqrt{u})' = \frac{1}{2\sqrt{u}} \cdot u'$	12	$(\sqrt{x})' = \frac{1}{2\sqrt{x}}$	11
$(\ell^u)' = \ell^u \cdot u'$	14	$(\ell^x)' = \ell^x$ $\ell \approx 2.7...$	13
$(a^u)' = a^u \ln a \cdot u'$	16	$(a^x)' = a^x \cdot \ln a$ a > 1 (a - קבוע)	15
$(\ln u)' = \frac{1}{u} \cdot u'$	18	$(\ln x)' = \frac{1}{x}$	17
$(\sin x)' = \cos x$	20	$(\log_a u)' = \frac{1}{u \ln a} \cdot u'$	19
$(\cos x)' = -\sin x$	22	$(\sin u)' = \cos u \cdot u'$	21
$(\tan x)' = \frac{1}{\cos^2 x}$	24	$(\cos u)' = -\sin u \cdot u'$	23
$(\cot x)' = -\frac{1}{\sin^2 x}$	26	$(\tan u)' = \frac{1}{\cos^2 u} \cdot u'$	25
$(\arcsin u)' = \frac{1}{\sqrt{1-u^2}} \cdot u'$	28	$(\cot u)' = -\frac{1}{\sin^2 u} \cdot u'$	27
$(\arctan u)' = \frac{u'}{1+u^2}$	30	$(\arccos u)' = -\frac{1}{\sqrt{1-u^2}} \cdot u'$	29
$(f[g(x)])' = f'[g(x)] \cdot g'(x)$	32	$(\operatorname{arc cot} u)' = -\frac{u'}{1+u^2}$	31
$x'_y = \frac{1}{y'_x}$	34	$y'' = (y)'$	33