Nr.	Derivate
1	$c' = 0$
2	$\mathrm{x}' = 1$
3	$(x^n) = nx^{n-1}$
4	$\left(\sqrt{x}\right)' = \frac{1}{2\sqrt{x}}$
5	$\left(\frac{1}{x}\right)' = -\frac{1}{x^2}$
6	$(e^x)' = e^x$
7	$(a^x)' = a^x \ln a$
8	$(\ln x)' = \frac{1}{x}$
9	$(\log_a x)' = \frac{1}{x \ln a}$
10	$(\mathrm{arctg\ x})' = \frac{1}{x^2+1}$
11	$(\mathrm{arcctg\ x})' = -\frac{1}{x^2+1}$
12	$(\arcsin \mathrm{x})' = \frac{1}{\sqrt{1-x^2}}$
13	$(\arccos \mathrm{x})' = -\frac{1}{\sqrt{1-x^2}}$
14	$(\sin x)' = cos\ x$
15	$(\cos x)' = -\ sin\ x$
16	$(tg\ x)' = \frac{1}{cos^2 x}$
17	$(ctg\ x)' = -\frac{1}{sin^2 x}$

Nr.	Integrale nedefinite
1	$\int 1\ dx = x + C$
	$\int a\ dx = ax + C$
2	$\int x\ dx = \frac{x^2}{2} + C$
	$\int x^n\ dx = \frac{x^{n+1}}{n+1} + C$
3	$\int \sqrt{x}\ dx = \frac{2}{3}x\sqrt{x} + C$
4	$\int e^x\ dx = e^x + C$
	$\int e^{-x}\ dx = -e^{-x} + C$
	$\int e^{\alpha x}\ dx = \frac{e^{\alpha x}}{\alpha} + C$
5	$\int a^x\ dx = \frac{a^x}{\ln a} + C$
	$\int a^{\alpha x}\ dx = \frac{a^{\alpha x}}{\alpha \ln a} + C$
6	$\int \frac{1}{x}\ dx = \ln\lvert x\rvert + C$
	$\int \frac{1}{x \pm a}\ dx = \ln\lvert x \pm a\rvert + C$
	$\int \frac{1}{ax \pm b}\ dx = \frac{1}{a}\ln\lvert ax \pm b\rvert + C$
7	$\int \frac{1}{x^2-a^2}\ dx = \frac{1}{2a}\ln\left\lvert\frac{x-a}{x+a}\right\rvert + C$
8	$\int \frac{x}{x^2-a^2}\ dx = \frac{1}{2}\ln\lvert x^2 - a^2\rvert + C$
	$\int \frac{x}{x^2+a^2}\ dx = \frac{1}{2}\ln(x^2 + a^2) + C$
9	$\int \frac{1}{x^2+1}\ dx = \ arctg\ x + C$
	$\int \frac{1}{x^2+a^2}\ dx = \frac{1}{a}\ arctg\ \frac{x}{a} + C$

10	$\int \frac{1}{\sqrt{x^2-a^2}}\ dx = \ln\left\|x+\sqrt{x^2-a^2}\right\| + C$
	$\int \frac{1}{\sqrt{x^2+a^2}}\ dx = \ln\left(x+\sqrt{x^2+a^2}\right) + C$
11	$\int \frac{1}{\sqrt{a^2-x^2}}\ dx = arcsin\frac{x}{a} + C$
12	$\int \frac{x}{\sqrt{x^2\pm a^2}}\ dx = \sqrt{x^2 \pm a^2} + C$
	$\int \frac{x}{\sqrt{a^2-x^2}}\ dx = -\sqrt{a^2-x^2} + C$
13	$\int \sin x\ dx = -\cos x + C$
	$\int \sin \alpha x\ dx = -\frac{\cos \alpha x}{\alpha} + C$

14	$\int \cos x\ dx = \sin x + C$
	$\int \cos \alpha x\ dx = \frac{\sin \alpha x}{\alpha} + C$
15	$\int \frac{1}{\cos^2 x}\ dx = tg\ x + C$
16	$\int \frac{1}{sin^2 x}\ dx = -ctg\ x + C$
17	$\int tg\ x\ dx = -\ln\|cos\ x\| + C$
18	$\int ctg\ x\ dx = \ln\|sin\ x\| + C$

Nr.	Operatii & Formule
1	$(f \pm g)' = f' \pm g'$
2	$(f \cdot g)' = f' \cdot g + f \cdot g'$
3	$(cf)' = c \cdot f'$ C e o constanta/numar (ascuns)
4	$\left(f(u)\right)' = f'(u) \cdot u'$
5	$\left(\frac{f}{g}\right)' = \frac{f' \cdot g - f \cdot g'}{g^2}$
6	$\int [f(x) \pm g(x)]\ dx = \int f(x)\ dx \pm \int g(x)\ dx$
7	$\int \alpha \cdot f(x)\ dx = \alpha \int f(x)\ dx$
8	$\int [f(x)]'\ dx = f(x) + C$
9	$\int f(x)g'(x)\ dx = f(x)g(x) - \int f'(x)g(x)\ dx$
	$\int_a^b f(x)g'(x)\ dx = f(x)g(x)\ \|_a^b - \int_a^b f'(x)g(x)\ dx$
10	$\int_a^b f(x)\ dx = F(x)\ \|_a^b = F(b) - F(a)$ F e o primitiva f

11	$\int_a^a f(x)\ dx = 0$
12	$\int_a^b f(x)\ dx = -\int_b^a f(x)\ dx$

Nr.	Drepte
1	*Ecuatia tangentei la Gf in punctul* $A(x_0, f_{(x_0)})$ $t: y - f(x_0) = f'(x_0)(x - x_0)$
2	*Panta tangentei* $m_t = f'(x_0)$
3	$\lim\limits_{x \to x_0} \frac{f(x)-f(x_0)}{x-x_0} = f'(x_0)$