$D\ c = 0, \quad c \in \Re$

$D\ x = 1$

$D\ x^2 = 2x$

$D\ x^n = n x^{n-1} \quad , n \in \mathrm{N}$

$D\ \dfrac{1}{x} = -\dfrac{1}{x^2}$

$D\ \dfrac{1}{x^n} = -\dfrac{n}{x^{n+1}} \quad , n \in \mathrm{N}$

$D\ \sqrt{x} = \dfrac{1}{2\sqrt{x}}$ $\qquad$ $D\ \dfrac{1}{\sqrt{x}} = -\dfrac{1}{2x\sqrt{x}}$

$D\ \sqrt[n]{x} = \dfrac{1}{n\sqrt[n]{x^{n-1}}} \quad , n \in \mathrm{N}$

$D\ \sqrt[n]{x^m} = \dfrac{m}{n\sqrt[n]{x^{n-m}}} \quad , con \quad n > m;\ n, m \in \mathrm{N}$

$D\ \dfrac{1}{\sqrt[n]{x}} = -\dfrac{1}{n x \sqrt[n]{x}} \quad , n \in \mathrm{N}$

$D\ \dfrac{1}{\sqrt[n]{x^m}} = -\dfrac{m}{n\ x\sqrt[n]{x^m}} \quad , con \quad n > m;\ n, m \in \mathrm{N}$

$D\ x^\alpha = \alpha x^{\alpha-1} \quad , \alpha \in \Re \setminus \{0\}$

$D\ \log_a x = \dfrac{1}{x \log a} \quad , a > 0 \quad e \quad a \neq 1$

$D\ \log x = \dfrac{1}{x}$

$D\ a^x = a^x \log a \quad , a > 0 \quad e \quad a \neq 1$

$D\ e^x = e^x$

$D\ sen\ x = \cos x,$ $\qquad$ $D\ arcsen\ x = \dfrac{1}{\sqrt{1 - x^2}}$

$D\ \cos x = -sen\ x,$ $\qquad$ $D\ \arccos\ x = -\dfrac{1}{\sqrt{1 - x^2}}$

$D\ tg\ x = \dfrac{1}{\cos^2 x} = 1 + tg^2\ x,$ $\qquad$ $D\ arctg\ x = \dfrac{1}{1 + x^2}$

$D\ ctg\ x = -\dfrac{1}{sen^2\ x} = -1 - ctg^2\ x,$ $\qquad$ $D\ arcctg\ x = -\dfrac{1}{1 + x^2}$

$$D[af(x)+bg(x)] = af'(x)+bg'(x), \quad f'(x) = D\,f(x), \quad g'(x) = D\,g(x)$$

$$D[f(x)g(x)] = f'(x)g(x)+f(x)g'(x)$$

$$D\left[\frac{f(x)}{g(x)}\right] = \frac{f'(x)g(x)-f(x)g'(x)}{[g(x)]^2}, \qquad D[f(x)]^{g(x)} = [f(x)]^{g(x)}\left[g'(x)\log f(x)+g(x)\frac{f'(x)}{f(x)}\right]$$

$$D[f(x)]^2 = 2f(x)f'(x),$$

$$D\frac{1}{f(x)} = -\frac{f'(x)}{[f(x)]^2},$$

$$D\sqrt{f(x)} = \frac{f'(x)}{2\sqrt{f(x)}},$$

$$D\sqrt[n]{f(x)} = \frac{f'(x)}{n\sqrt[n]{[f(x)]^{n-1}}},$$

$$D\sqrt[n]{f(x)^m} = \frac{mf'(x)}{n\sqrt[n]{[f(x)]^{n-m}}},$$

$$D[f(x)]^n = n[f(x)]^{n-1}f'(x) \quad , n\in \mathrm{N}$$

$$D\frac{1}{[f(x)]^n} = -\frac{nf'(x)}{[f(x)]^{n+1}} \quad , n\in \mathrm{N}$$

$$D\frac{1}{\sqrt{f(x)}} = -\frac{f'(x)}{2f(x)\sqrt{f(x)}}$$

$$D\frac{1}{\sqrt[n]{f(x)}} = -\frac{f'(x)}{nf(x)\sqrt[n]{f(x)}} \quad , n\in \mathrm{N}$$

$$D\frac{1}{\sqrt[n]{[f(x)]^m}} = -\frac{mf'(x)}{n\,f(x)\sqrt[n]{[f(x)]^m}}, \; con \quad n>m;\; n,m\in \mathrm{N}$$

$$D[f(x)]^\alpha = \alpha[f(x)]^{\alpha-1}f'(x) \quad , \alpha\in \Re\setminus\{0\}$$

$$D\log_a f(x) = \frac{f'(x)}{f(x)\log a} \quad , a>0 \quad e \quad a\neq 1$$

$$D\log f(x) = \frac{f'(x)}{f(x)}$$

$$D\,a^{f(x)} = a^{f(x)}f'(x)\log a \quad , a>0 \quad e \quad a\neq 1$$

$$D\,e^{f(x)} = e^{f(x)}f'(x)$$

$$D\,sen\,f(x) = f'(x)\cos f(x),$$

$$D\cos f(x) = -f'(x)sen\,f(x),$$

$$D\,tg\,f(x) = \frac{f'(x)}{\cos^2 f(x)} = \left[1+tg^2 f(x)\right]f'(x),$$

$$D\,ctg\,f(x) = -\frac{f'(x)}{sen^2 f(x)} = -\left[1+ctg^2 f(x)\right]f'(x),$$

$$D\,arcsen\,f(x) = \frac{f'(x)}{\sqrt{1-[f(x)]^2}}$$

$$D\arccos f(x) = -\frac{f'(x)}{\sqrt{1-[f(x)]^2}}$$

$$D\,arctg\,f(x) = \frac{f'(x)}{1+[f(x)]^2}$$

$$D\,arcctg\,f(x) = -\frac{f'(x)}{1+[f(x)]^2}$$