$c^2 = a^2 + b^2 - 2ab\cos\gamma \quad pl = \frac{ab\sin\gamma}{2}$

$\lim_{x\to\infty}\frac{e^x - 1}{x} = 1 \quad \lim_{x\to 0}\frac{\sin x}{x} = 1$

$y = k \cdot f(x) \quad y' = k \cdot f'(x)$

$y = f(x) + g(x) \quad y' = f'(x) + g'(x)$

$y = f(x) \cdot g(x) \quad y' = f'(x) \cdot g(x) + f(x) \cdot g'(x)$

$(f \pm g)' = f' \pm g' \quad \left(\frac{f(x)}{g(x)}\right)' = \frac{f'(x) \cdot g(x) - f(x) \cdot g'(x)}{g^2(x)}$

$y = f(g(x)) \quad y' = f'(g(x)) \cdot g'(x)$

$(\tan x)' = \frac{1}{\cos^2 x} \quad (\operatorname{cotan} x)' = -\frac{1}{\sin^2 x}$

$(x^n)' = n \cdot x^{n-1} \quad (e^x)' = e^x \quad (\ln x)' = x^{-1}$

$(a\sin x)' = \frac{1}{\sqrt{1 - x^2}} \quad (a\cos x)' = -\frac{1}{\sqrt{1 - x^2}}$

$(a\tan x)' = \frac{1}{1 + x^2} \quad (\log_a x)' = \frac{1}{x \cdot \ln a} \quad (a^x)' = a^x \cdot \ln a$

max: $y' = 0 \quad y'' < 0$ min: $y' = 0 \quad y'' > 0$

sedlo: $y' = 0 \quad y'' = 0$ *prevoj*: $y' \neq 0 \quad y'' = 0$

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