

"Tabulkové" derivace  
v  $\forall$  bodě z  $D(f)$ , kromě  $*$ )

$*$ )  $(\text{konst})' = 0$   
 $(x^\alpha)' = \alpha \cdot x^{\alpha-1}$   $\nabla x_0 = 0?$   
 $(\sqrt{x})' = \frac{1}{2\sqrt{x}}, x \in (0, \infty)$

$(\sin x)' = \cos x, (\cos x)' = -\sin x$

$(\tan x)' = \frac{1}{\cos^2 x}, (\cot x)' = -\frac{1}{\sin^2 x}$

$(e^x)' = e^x, (\ln x)' = \frac{1}{x}$

$(\operatorname{arctg} x)' = \frac{1}{1+x^2}, (\operatorname{arcsin} x)' = \frac{1}{\sqrt{1-x^2}}$

$(\operatorname{arccot} x)' = -$   $(\operatorname{arccos} x)' = -$   
 $x \in (-1, 1)$

$\forall$  fce s KOS má v derivaci  $-$