

# POCHODNE FUNKCJI - WZORY

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

$$(\arcsin x)' = \frac{1}{\sqrt{1-x^2}}, \quad |x| < 1$$

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

$$(\arccos x)' = \frac{-1}{\sqrt{1-x^2}}, \quad |x| < 1$$

$$(\operatorname{tg} x)' = \frac{1}{\cos^2 x}, \quad x \neq \frac{\pi}{2} + k\pi \text{ dla } k \in \mathbb{C} \quad (\operatorname{arctg} x)' = \frac{1}{1+x^2}$$

$$(\operatorname{ctg} x)' = -\frac{1}{\sin^2 x}, \quad x \neq k\pi \text{ dla } k \in \mathbb{C} \quad (\operatorname{arcctg} x)' = \frac{-1}{1+x^2}$$

