

POCHODNE FUNKCJI - WZORY

$$(c)' = 0, \quad c \in R$$

$$(ax + b)' = a$$

$$(ax^2 + bx + c)' = 2ax + b$$

$$(x^a)' = a \cdot x^{a-1}, \quad a \in R - \{0, 1\}$$

$$(\ln x)' = \frac{1}{x}, \quad x > 0$$

$$(\log_a x)' = \frac{1}{x \ln a}, \quad a > 0, a \neq 1, x > 0$$

$$\left(\frac{a}{x}\right)' = \frac{-a}{x^2}, \quad x \neq 0$$

$$(\sqrt{x})' = \frac{1}{2\sqrt{x}}, \quad x > 0$$

$$(e^x)' = e^x$$

$$(a^x)' = a^x \cdot \ln a, \quad a > 0$$

