

Najděte derivace následujících funkcí

$$845. y = \frac{2x}{1-x^2}.$$

$$846. y = \frac{1+x-x^2}{1-x+x^2}.$$

$$847. y = \frac{x}{(1-x)^2(1+x)^3}.$$

$$848. y = \frac{(2-x^2)(3-x^2)}{(1-x)^2}.$$

$$849. y = \frac{(1-x)^p}{(1+x)^q}.$$

$$855. y = (1+x)\sqrt{2+x^2}\sqrt[3]{3+x^3}. \quad 860. y = \sqrt{x + \sqrt{x + \sqrt{x}}}.$$

$$856. y = \frac{m+n}{\sqrt{(1-x)^m(1+x)^n}}. \quad 861. y = \sqrt[3]{1 + \sqrt[3]{1 + \sqrt[3]{x}}}.$$

$$857. y = \frac{x}{\sqrt{a^2-x^2}}.$$

$$862. y = \cos 2x - 2 \sin x.$$

$$858. y = \sqrt[3]{\frac{1+x^2}{1-x^3}}.$$

$$863. y = (2-x^2) \cos x + 2x \sin x.$$

$$859. y = \frac{1}{\sqrt{1+x^2}(x + \sqrt{1+x^2})}. \quad 864. y = \sin(\cos^2 x) \cdot \cos(\sin^2 x).$$