

$$1. y = \frac{\log_2 x \cdot \operatorname{tg} x}{\arccos x}$$

$$2. y = \cos^3 2x \cdot \operatorname{arctg}^2 3x$$

$$3. y = \frac{2 \cos^3(2x+4)}{\log_3^2(3x+1)}$$

$$4. y = \sqrt[4]{(x-3)^7} + \frac{9}{7x^2-5x}$$

$$5. y = (\arccos 2x)^{\operatorname{tg} 2x}$$