Устно вычислите значение производной

$$(5)' = 0$$

$$(x)' = 1$$

$$(5x)' = 5$$

$$\left(2x^4\right)' = 8x^3$$

$$\left(-0{,}5x^{6}\right)' =$$

$$= -3x^{5}$$

$$(2x-3)' = 2$$

$$\left((2x-3)^3\right)' =$$

$$= (2x-3)' \cdot 3(2x-3)^2$$

$$= 6 \cdot (2x-3)^2$$

$$\left(e^{x}\right)' = e^{x}$$

$$\left(e^{3x+2}\right)' =$$

$$= e^{3x+2} \cdot (3x+2)'$$

$$= 3e^{3x+2}$$

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

$$\left(\ln\left(3x+5\right)\right)' =$$

$$3\cdot\frac{1}{3x+5}=\frac{3}{3x+5}$$

$$1)\, y = \ln(2x - 7)$$

$$2)\, y = \ln(1 + 5x)$$

$$3)\, y = \log_3 x$$

$$4)\, y = \log_{0,3} x + \sin x$$

$$5)\, y = lqx - \cos x$$

$$6)\, y = x \ln x$$

7)

$$y' = (e^{4x-12})'$$

1) $y = \ln(2x - 7)$ $\qquad \dfrac{2}{2x-7}$

2) $y = \ln(1 + 5x)$ $\qquad \dfrac{5}{1+5x}$

3) $y = \log_3 x$ $\qquad \dfrac{1}{x \ln 3}$

4) $y = \log_{0,3} x + \sin x$ $\qquad \dfrac{1}{x \ln 0,3} + \cos x$

5) $y = lqx - \cos x$ $\qquad \dfrac{1}{x \ln 10} + \sin x$

6) $y = x \ln x$ $\qquad \ln x + 1$

$$y' = (e^{4x-12})' = 4e^{4x-12}$$