

CVIČENÍ 1



a) $2 \log x = 3 - \log 5$

$$\log_2(x + 1) = 3$$

b) $\frac{\log x}{\log(5x - 3)} = 1$ $\log_4(3x + 2) - 2 \log_4 x = 2 - \log_4 8$

$$\log_5(x^2 + 2x) = \log_5(-3x)$$

$$\log_2 \frac{3 - x}{x + 3} = -2$$

$$\log 100x + \log 10x = 7$$

d) $\log_2(x - 1) + \log_2(1 + x) = 2 \log_2(x - 3) - 2$

$$\frac{\log_3(6x - 2)}{\log_3(x - 3)} = 2$$

CVIČENÍ 3

$$a) 5^x = 3$$

$$b) 8^{x+1} = 0,1$$