α. $\log_2 0{,}25 = \log_2 \frac{25}{100} = \log_2 \frac{1}{4} = \log_2 \frac{1}{2^2} = \log_2 2_{-2} = -2.$

β. $\log_2 0{,}125 = \log_2 \frac{125}{1000} = \log_2 \frac{1}{8} = \log \frac{1}{2^3} = \log_2 2^{-3} = -3.$

γ. $\log_5 0{,}04 = \log_5 \frac{4}{100} = \log_5 \frac{1}{25} = \log_5 \frac{1}{5^2} = \log_5 5^{-2} = -2.$

δ. $\log_8 0{,}125 = \log_8 \frac{125}{1000} = \log_8 \frac{1}{8} = \log_8 8^{-1} = -1.$

ε. $\log 0{,}0001 = \log \frac{1}{10000} = \log \frac{1}{10^4} = \log 10^{-4} = -4.$

στ. $\log_{100} 0{,}01 = \log_{100} \frac{1}{100} = \log_{100} 100^{-1} = -1.$