Übungsaufgaben zu Funktionswerten von $\exp_a$ und $\log_a$

$\exp_8\left(-\dfrac{1}{3}\right) = \qquad$; $\exp_{\frac{1}{2}}\left(\dfrac{1}{4}\right) = \qquad$; $\exp_{\frac{1}{3}}(-8) = \qquad$; $\exp_{\frac{1}{4}}\left(\dfrac{1}{2}\right) =$

$\exp_{81}\left(-\dfrac{1}{8}\right) = \qquad$; $\exp_{\frac{1}{9}}\left(-\dfrac{1}{2}\right) = \qquad$; $\exp_{\frac{3}{2}}(-3) = \qquad$; $\exp_{32}\left(\dfrac{1}{5}\right) =$

$\exp_{\frac{1}{4}}\left(-\dfrac{3}{2}\right) = \qquad$; $\exp_2\left(\dfrac{5}{2}\right) = \qquad$; $\exp_{\frac{1}{5}}\left(\dfrac{3}{2}\right) = \qquad$; $\exp_6\left(-\dfrac{3}{2}\right) =$

$\exp_{\frac{2}{3}}\left(\dfrac{3}{2}\right) = \qquad$; $\exp_{16}\left(-\dfrac{3}{4}\right) = \qquad$; $\exp_{\frac{1}{7}}\left(-\dfrac{2}{3}\right) = \qquad$; $\exp_{\frac{1}{6}}\left(-\dfrac{3}{2}\right) =$

$\log_3\left(\dfrac{1}{\sqrt{3}}\right) = \qquad$; $\log_{\frac{1}{5}}(25) = \qquad$; $\log_9(3) = \qquad$; $\log_7\left(\sqrt[3]{49}\right) =$

$\log_{\frac{1}{3}}\left(9\cdot\sqrt{3}\right) = \qquad$; $\log_2\left(\dfrac{\sqrt{2}}{8}\right) = \qquad$; $\log_{\frac{1}{3}}\left(\sqrt{27}\right) = \qquad$; $\log_2\left(\dfrac{0{,}5}{\sqrt{8}}\right) =$

$\log_5\left(\dfrac{1}{\sqrt[5]{25}}\right) = \qquad$; $\log_{\frac{1}{3}}(81) = \qquad$; $\log_4\left(\sqrt{2}\right) = \qquad$; $\log_{\frac{1}{7}}\left(\sqrt[4]{343}\right) =$

$\log_{\frac{1}{4}}\left(4\cdot\sqrt{2}\right) = \qquad$; $\log_3\left(\dfrac{\sqrt[3]{3}}{9}\right) = \qquad$; $\log_{\frac{1}{2}}\left(\sqrt{512}\right) = \qquad$; $\log_4\left(\dfrac{0{,}25}{\sqrt{32}}\right) =$