

## EQUAZIONI E DISQUAZIONI LOGARITMICHE

$$1) \frac{\log_{\frac{1}{2}} x}{2 - \log_{\frac{1}{2}} x} < 2 - \log_{\frac{1}{2}} x$$

$$2) \log_2 x - \log_{\frac{1}{2}} \sqrt{2-x} < \log_2 x^2$$

$$3) 2 \log_5^2 x - \log_{\frac{1}{25}} x - \frac{3}{4} > 0$$

$$4) \frac{\log_{\frac{1}{2}} x}{\log_2 x - 4} = 3$$