

EJERCICIO MIBE2308:

$$\text{Si } \log 3 = 0,4771$$

$$\log 5 = 0,6990$$

$$\begin{aligned} \text{a) } \log 50 &= \log(5 \cdot 10) = \log 5 + \overbrace{\log 10}^1 = \\ &= 0,6990 + 1 = 1,6990 \end{aligned}$$

$$\begin{aligned} \text{b) } \log 81 &= \log 3^4 = 4 \cdot \log 3 = \\ &= 4 \cdot 0,4771 = 1,9084 \end{aligned}$$

$$\begin{aligned} \text{c) } \log 125 &= \log 5^3 = 3 \cdot \log 5 = \\ &= 3 \cdot 0,6990 = 2,097 \end{aligned}$$

$$\begin{aligned} \text{d) } \log \frac{9}{25} &= \log 9 - \log 25 = \\ &= \log 3^2 - \log 5^2 = \\ &= 2 \cdot \log 3 - 2 \cdot \log 5 = \\ &= 2 \cdot 0,4771 - 2 \cdot 0,6990 = \\ &= 0,9542 - 1,398 = \\ &= -0,4438 \end{aligned}$$