

PROPIEDADES DE LOS LOGARITMOS

$$\log_b a = N \Leftrightarrow a = b^N$$

$$\log_b 1 = 0$$

$$\log_b b = 1$$

$$\log_b M \cdot N = \log_b M + \log_b N$$

$$\log_b M : N = \log_b M - \log_b N$$

$$\log_b a = \frac{\log_c a}{\log_c b}$$

$$\log_b a^n = n \log_b a$$