EQUAZIONE ESPONENZALE

551 
$$5^x = 9$$

$$\left[\frac{\log 9}{\log 5}\right]$$

1) 
$$5 = 9 \iff x = \log_5 9 = \frac{\log_5 9}{\log_5 5} = 1,3652...$$

$$\times \cdot \log 5 = \log 3 \implies \times = \frac{\log 9}{\log 5}$$

$$(m = a \log_a m)$$
 e  $m = \log_a a^m$   $(m \in \mathbb{R} \mid a > 0)$ 

$$5^x \cdot 2^{2x} = 10$$

1) 
$$(5 \cdot 2^2)^{\times} = 10$$

$$2) 5^{*} \cdot 2^{2} = 10$$

5 · 2 = 10  
2 applies breatsmente log  

$$log(5^{\times} \cdot 2^{2\times}) = log(10)$$
 e entrouli i membri

$$| \log_{4}(x-1) \leq -2$$

$$| \log_{4}(x-1) \leq \log_{4} 4 |$$

$$| \log_{4}(x-1) \leq \log_{4} 4 |$$

$$| (x-1) \leq 4^{-2}$$

$$| (x-1) \leq$$