- (f(n) = ((g(n))) () 7 (3000, no 0), s.t. f(n) Ecg(n) \text{ fn 2 no 4 c70, no 0, 7 (f(n) & cg(n)) 7 no no f(n) > < g(n) nlgn + O(n) f(n) = ndgn 86) n nlgh > cm A 520 NO 20, AMIX CANK lan7 E Log properties

122 (-) x=lg Y yzer Gxzln y log(ab) = log at logb
(29) = , 2ab log(86) = 6 log(A)

$$log_3 ID = \frac{ln 10}{ln 3}$$

$$log_3 a = \frac{ln q}{ln b} = \frac{lq a}{ln b}$$

$$= ln x vs. y = log_3 x$$

$$= ln x vs. y = log_3 x$$