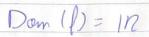
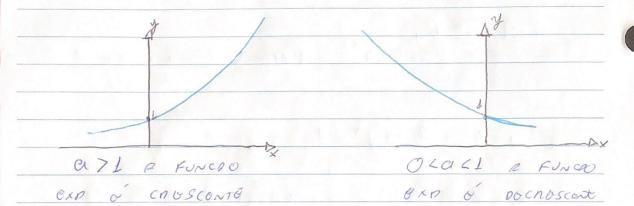
NOME: FOLIDE ANCHONSO DA CUNHA MONDOS
no: 1252 740
TUNCOUS EXPONENCIEIS
a e m; - { 1}
1:12 - 12.
l: In → In, x → l(x) = Ci Funció Elechtrica DO BOSE A
So a=1: (x)=1 = 1 \( \times 6 10
SO Q = 0 - (x) = 0 , Não & XISTE PONO DO -
TEAMWODOS VOVENES OB X, PON EXAMPLE:
x=-1. [(-1)=0-'=1=
50 a 40 : (x) = a
The state of the s
a=-z & x=1/2
$\int (\frac{1}{2}) = (-2)^{1/2} = \sqrt{-2} \neq 10$
FUNÇÃO EXPUNENCION NOTURAL
(L)= C×, C = 2,718281828

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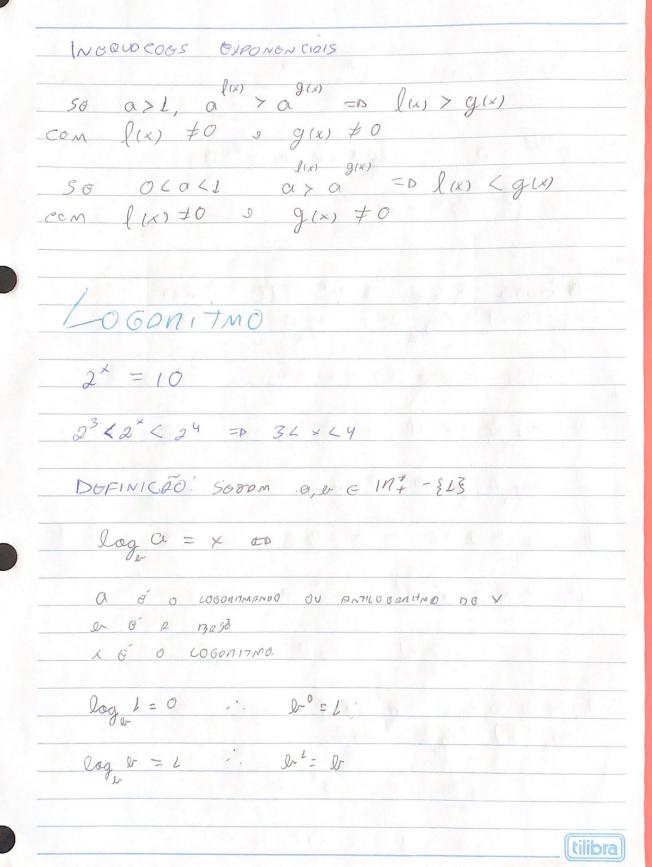




EQUPCOOS EXPONONCIPIS

$$ci^{(i)} = ci^{g(x)} \Leftrightarrow f(x) = g(x)$$

$$a^{(1x)} = e^{-4x} \quad a = e^{-x} \quad l(x) \neq 0$$



log & = m . . & m = em & loga = x to ex = a .. I log a = Q = 9 0 SONDO 0 e, c G 11/4 - {13 Tomos loga (e.c) = log e + log c SODON X, y & & TOIS QUE: D log Ir = x & Q × = D @ log C= y #0 04 = 0 3 log (b.c) = 2 to a= b.c a3 = D.C = ax.ay = axy = p Z = x+y 4060, log ( D. C) = log D + log G € Songo o, e, c e ln = {-l} Tomos log (=) = log l- log C @ log b = x .. a = & (tilibra @ log c = y . : Q = G



3 log or = 2 .1. a = lye

C1= 0= 0x = 0x-y

.. Z= x-y

LOOC log(=) = log d - log c

log = log 1 - log C

- 0 - log 6

logic = lag C

0 Seroo 0, e 6 M, at 1 & m 6 M log (em) = m log er

Dlog 1 = x 00 ax= 6

Ologer = y ex cy = em

 $a^{n} = e^{n} = (a^{x})^{m} = e^{nx}$   $y = mx = 0 \log e^{m} = m \log e$ 

LOGORITMO DE BOIGES QUE O O SISTEM DO 13036 10, DONO TODO POR log x, ON DO XEMY LOGORITMO NOPONIONO OF NOTURE INX ONDO XGIN\* ln x - log X FUN COGS TRIGONO MOTHICPS P=(C,D cos(1)= 00 00 00 senx = Os CO>(x) = OG tilibra

Doen (sen) =12 Im (sen) = [-1, L] Dep(x) (= FUNCOO IMPOP sen(-1) = - sen(x) [0, 1/2] e[31/2, 211] sera & cocirle [1/2,31/2] seno o docusterle Dam (cod = In Im(co) = [-1, [] COTIX) & FUNCOU POP  $Co_{5}(-x) = Co_{5}(x)$ [O,T]. COSSONO CHOSCONE [T/27] COSSGNO DOCHOSCONTE \* Toy  $(x) = \frac{1}{\cos x}$   $\frac{1}{\cos x}$ YX eln Tor QUE Con \$0. 8 CoTg = Cox Cosc (x) = 1
ren; YXGIN TAL QUE renix) \$0

Dom (tg) = Don (sea) = { x G m 1 x \$ 7/2 + n T, n & 7/5 Dom (Coty) = Dom (cosse) = {xGR | x + nTT, ne T} NENTIDDOGS THIGONOMOTHICOS Cas (a+ e) = Cos(a) Cos(e) - ren (a) ren(b) Cos (a-ly) = Cos(a) Cosly + sen(a) sen (l) sen (ash) = cos (a) sen(or) + sen(a) cofer) ren(a-en) - ren(en) cos(a) - sen(a) cosh rin2(a) + cos7 a = 1

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