		a
	tunces hiperbolicas	1
	The second distriction of the second	
	Definição: As funcios hiperbólicas 1005 denotadas e deficidas por:	
-211	to tage a desicolor con:	
	caragasins e definitions pari	
	i) Senhx = ex -e-x iv) seehx = 1	
	1) Sem x = 10 10 10 10 10 10 10 10 10 10 10 10 10	- -
	ii) coshx = extex v) estylix = coshx	
	11) COSUX = F. 46	
	2 renx	
	(iii) tghx = Denhx vi) conechx = 1	
,.	iii) tghx = Denhx vi) conechx = 1 Loshx vi) conechx = 1 Newhx	
	CASSANT LIFE FLORISTING STREET VERTICAL	
	Grafi65:	
	y , 5 cult s s s s s s s s s s s s s s s s s s s	
	(i)	y=1
	$\times 4 = (3 \text{ m}) + (3 \text{ dyn})$	
*****	Avalor XX	
	Coshx	
	(i)	/=-1
	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
-	X = M-Wanta Long = KIMBU	
_	1 1 () 1 () 1 () 1 () 2 (
	Identidades Hiperbolias:	
	a) Senh(-x) = -penhx e eosh(-x)=coshx	
	b) $\cosh x - \sinh^2 x = 1$	
	c) 1-toh2x = segh x e cotah2x - 1 = correch2x	
	d) sent (x+y) = south x why + renty contax	
	d) senth(x+y) = sentx. costry + penty. costrx e) costr(x+y) = costrx. costry + pentry. pentry	
-	The state of the s	
	4	

	CAN TOWARD CARE THE
	Derivada des punçes hiperboliss:
	200 Mulledmin 2/2002 EA 24 Mary 10
	1) Dx (senhx) = coshx
	2) Dx(corhx) = Senhx
	3) $P(+dx) = Ncl^2x$
	3) Dx (tghx) = xchx 4) Dx (estghx) = -posech2x
	5) Dx (Deehx) = - seehx. tg/x
	6) Dx (conechx) = - conechx.cotghx
	6) 12(CONCOR) = - CORCOR, COLY)
	77.12 (V
, · · · · · · · · · · · · · · · · ·	Dhirada das funções hiperbolicas Inversas:
	Ultivada aas finises inpersonas Indisas.
,	1) Y= Urcsentx com YEIR
L	1) Y= arcsenhx com YEIR senhy = senh (arcsenhx) = x
,	(senhy)' = (x)
	why. y' = 1 y' = 1
	$(senhy)' = (x)'$ $loshy \cdot y' = 1$ $mas loshy = 1 + xh^2y = 12 + x^2, logo$ $y' = 1$
1	mas loshy= 1/1+ Mhy = 12+x2, logo
	VIIIx2
	2) Y= arccoshx com Yelk
y	coshy = cosh (arccoshx) = x
	$(\omega shy) = (x)'$
	senty, y = 1 y'= 1 and along it also it as I
	() () () () () () () () () ()
	mas penhy = /coshy-1 = /x2-1 , logo x 1 x 1000 c
	1 2 do 1 = 14 2 do 10 = 2 do 1 = 2 do 1 = 10
	1) Searly = (1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 =
J-01,110,110	3) Y=arctghx com y = R11
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	Application of the second of t
	4) Y= arc cotghx YEIR
	5) Y=arcsech X YEIR
*	() 1/2 - 0 1/2 1/2
	6) Y = arclonechx Yell
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p.:	7-19,30-45
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	Date of Carrier and free ways you as I all comes
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