Exercícios de derivadas de funções trigonométricas – Lucas B Brancalhão

1	A9 10912044
	- 0119012021
B	(a) $f(x) = x - 3 \text{ senx}$ $f(x) = 1 - 3 \text{ soax}$
	2) f(x) = x senx
100	
100	- flis = 1. sens+x cosx => fix = senx + xcosx
TO TO	3) f(x) = senx 10 tgx = p(x) = 100x + 10. xelx
100	5) g(t) = +3. (ost => g(t) = 3t2. (ost +t3, 1- sent)
TO TO	g'(b) = 352 cost of 3, rent => g'(x) = t2. (3 cost + sent)
100	10) 7 = 14 max 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
100	(x+100x) = 1+ 200x (x+100x) (1+200x) (1+200x)
(0)	
100	7 = x. 189x = 180 = (1 + senx + senx - senex -
1	1.87.405.X.)
_	(x) coxx)2 = 4'= x coxx-1+1 => (x+coxx)2
100	(x) cox)2 (x+cox)2
100	1' - x conx
	$\frac{1}{\sqrt{1+\cos x}} = \frac{x\cos x}{(x+\cos x)^2}$
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3) 7= sen	x = 7 7 = 100	x. x2 - senx. 2x
×~		(xs)s
Y'= x2.	COX - DV - NEW V	- W/(war - 2 ram)
The second second	×4	= x/. (x cox - 2 sorx)