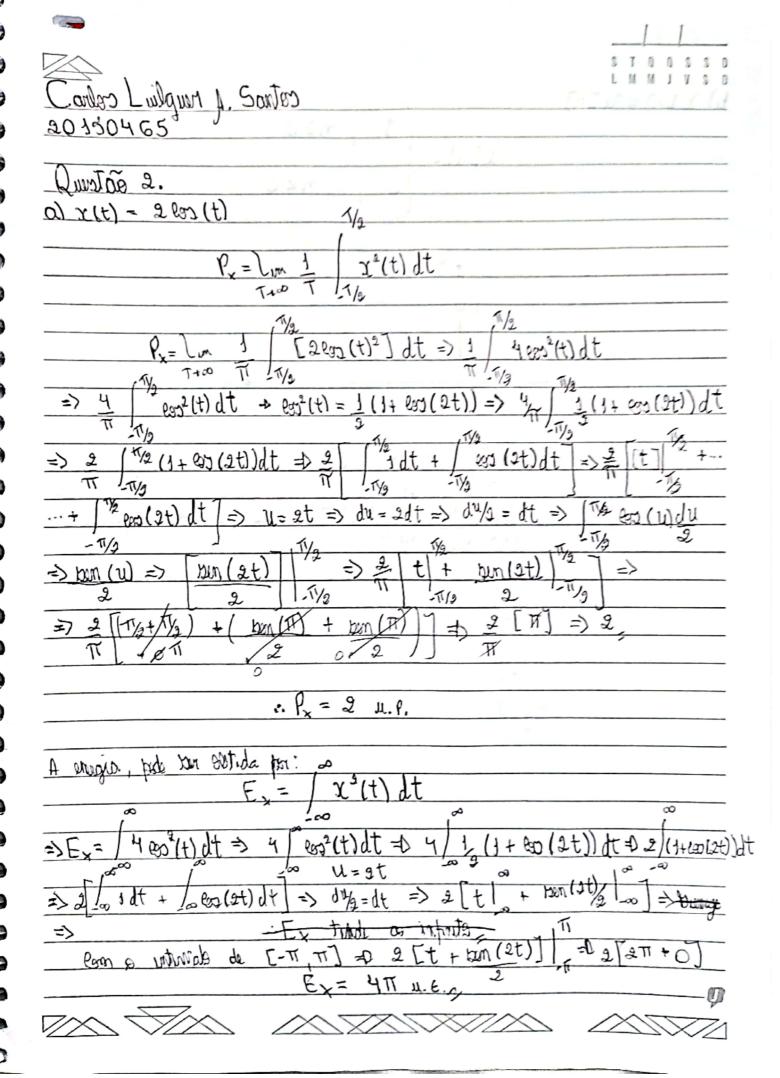
	-		_			_
	S	T	Q M	0	S	2
Carlas Luiguer A. Santas 20150465 Questão 1.		7119	ma	,	•	3
20150465						
Questão 3						
Maria (10)						
α_{j}						
Z= a+jb = M.e ^{j0}				-	-	
E= a+ 10 - 11.E				-		_
$\mathcal{C} \subset \mathcal{C} \subseteq \mathcal{C}$				_		
$b = u \text{part} \theta$						-
$\theta = \tan^{-1}\left(\frac{b}{a}\right)$						
$\theta = (a + b + b)$		-				
-A=(H=01(-		
j = V-3				-		
n= \122 + y2						
$n = \sqrt{0 + (i)^2}$						
a = 1 000 (-1/2) + 1 Den (1/2)						
3=0+j(-s)						
				_		
$\frac{b}{b}e^{it\eta\omega}$				_		
V = 1 $C = V = V = V = V = V = V = V = V = V =$				_		
a = (1) cos (1/4) - b = (1) cos (1/4))					
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: -3 = \12/2 + j\12/2						
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c) (25(V))			-14			_
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-1/4/1	j	(1 <u>)</u>	7		-	_
$\lim_{n \to \infty} \{a\} = 0 = 1/0$						
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(b) (v))= e' + e = j (e' ·						
(a) (v))= e' + e = - j (e' ·				_		9

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[N] W = [N] X [Later Color Carlo Carlo
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		(1)015-(11)
	4 M[w]	Jay
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Carlos Luilques A. Santos 20150465	20 10 10 102
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$\frac{\int_{-2}^{2} y(t) + 3d y(t) + 2y(t) = x(t) + 2d x(t)}{\int_{-2}^{2} y(t) + 3d y(t) + 2y(t) = x(t) + 2d x(t)}$	$\frac{\partial^{2} x(t)}{\partial t^{2}}$
x(+) /(+)=%(+)	
$\sum_{K=0}^{N} Q_{K} \int_{t}^{H-K} y(t) = 0$ $y''(t) = C_{1}e^{\lambda_{1}t} + C_{2}e^{\lambda_{2}t} + + C_{n}e$ $y'''(t) + 3y'(t) + 2y(t) = 0$ $y'''(t) + 3y'(t) + 2y(t) = 0$	
$ \frac{3}{3} y(0) = C_1 + C_2 = 3 $	1e-3e
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Carles Linguis Almida Sartes	14.5	Total .	_	-		
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Z. Quotõe 5.		j		la la	.,)
$\frac{h(t) = e^{t} u(t)}{\chi(t) = e^{-2t} u(t)}$	•					_ _ _
$\frac{\chi(t)}{h(t)}$						_ _ _
$y(t) = \int_{-\infty}^{\infty} h(\tau) x(t-\tau) d\tau$ $y(t) = \int_{-\infty}^{\infty} e^{\tau} u(\tau) \cdot e^{-a(t-\tau)} u(t-\tau) d\tau$						
$y(t) = \int e^{-u}(t) \cdot e^{-u}($						_
$\frac{t}{y(t)} = \frac{t}{e^{2}} \frac{dt}{dt} = 0 t - t > 0 - 0 T < t \qquad U = 0$	-2 = 0	ti	+ [_
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$= 0 [(e^{-st+t}) - (e^{-st+o})] = (e^{-t} - e^{-t}) u(t)$) .					_
:. $y(t) = (e^{-t} - e^{-2t})u(t)$	<u>-</u>		_			_
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