		2 49 3
	Lab 2.	0 S C) 1 i
15	fy(x)= ex-3x. T	hreshnold = 1E-6
1	1	The street of th
	f(0) @ >0	1 = = + 4 4 4 / 1
	f(1) < 0	= 1341,5141,2541
1	(f(2) > 0.	
	interval (agl)	interval (1,2]
	700t = 0.6190	root = 1.512 iterations = 2
	iterations = 18	iterations = 2
1	0 < (112-11))+	1411 11 15
2.	$y = \sqrt{2} \chi^2 - 2$	41 1-320,001
	10000 1000	200 200 21
	Newton's method	Buech'on method
	2nu = 1/2(n+N)	root: 1.414213
	$2n_{H} = \frac{1}{2} \left(2 \ln t \frac{N}{2 \ln n} \right)$	root: 1.414213 Iterations = 21
	no = 1 P	2 V Q V
	root = 1.414214	. 0.
	iterations = 4	- 10
	110,011010	
100		

2	$\sim \chi$			
21	e - Sin x	- 0		(-1-1)
	311770	-0	<u> </u>	T(N)

$$f(0) > 0$$
 $f(-7) > 0$.

$$f(-4) < 0$$

 $f(-5) < 0$

In Interval [-4,1]

$$\frac{100t = -3.183}{1terations} = 18$$

$$accuracy = 10^{-6}$$

Using bijection we get
no nots in the interval
Because
$$f(0) * f(u) > 0$$

	PAGE NO.: DATE
7.)	We get 101 values.
	2 = 0 $y = 1.0000$
	0-1000
	0.2000 1.0006
	0.3000
· _ /\	0.4000
_	
	- 26.4771
	9.9000 - 26.8562
	10.0000 -27.2368
<u>\$_)</u>	After one iteration the result does
	not converge
	La
	nowever, after 2 iterations
	21 = 0.4490 2 Which is close
	n2=0.8981) to analytical