10	Exerci	se 2.5	(0-13-28)	) [	Date
1	" 25) 4: (2x+3	Continui	07 Pl 144		soniy (g:
1	a At what p	onits of	are the function is	n 6	Question (13-30)
	continous?	1 12	Contine	-1	Pitemilarut ot Seld laterati
	13) $y = 1$	- 3x	14) $y = \frac{1}{(x+1)^2} + 4$		(x) y = x+1
	Sef. x-2		Sof. (x+2)2		Sol. 22-4x+3
	x-2=0 $x=2$	1 19	$(x+2)^2 = 0$ $[x = -2]$	+	112 23x5x+3
- 0	Discontinous only	when	Discontinous only when $x = -2$ .		x(x-3)-1(x-3)
-	x = 2.  16) $y = x + 3$		3 (1-42) -4 (+2	-	(x=1) (x-3)
- 8	x2-3x-10	, 0	ontinous Everywhere.		X=1, X=3
M-1 0	$3d$ , $\chi^2 - 3\kappa - 10$		As  x-1  + sinx defin		Discontinous only when $x=3$ or $x=1$ .
r : 6	x2 Sx+2x-10	18)	all the $x$ .		19) 4 - COSH
r- 2	$\chi(\chi-5)+d(\chi-5)$	18)	x +1  \(\frac{\lambda}{\lambda}\)		Discontinous
F &	(x+2) (n-5)		Continous Everywhere As  x +1 =0 for a		only at x=0
5	$\chi = -2$ , $\chi = 5$		x values.		
8	Discontinous only when x=-2 or	n=5.	21) y = csc2x		y= tan Ix
	$y = \frac{x+2}{\cos x}$	<i>c.</i>	y= 1 = 3 2x+KT sin2x x+KT		ontinous when IX
	for Discontinous at		Discontinous when a	m	an odd integer ulliple of 1/2,
	odd integer multiples		2x is an integer muliple	i.e.	: 松子(211-1) 五子
	$\frac{4}{2}$ , i.e. $\chi = (2n-1)$	~	of IF. I.e. 2x=nT,		= 2n-1. Continous
	n an integer but at all other n	1	$\lambda = \frac{n\pi}{2}$ .		everywhere else
	and theready are	1	ı		

	5 (8-13-28)	· 7 ass	AVX O
23) y = xtonx	24) y = \(\frac{1}{24} \dagger + \frac{1}{4}		1 25) y= \2x+3
x2+1	i mitani in 1 + sin	2 K	1 2000
	Continous e	ponits	10122+3200
Discontinues at	$since x^4 + 1$	//	: win 2x <-3
sold integers			
multiple of T.	$\frac{1}{1}$ $\frac{1}$	-310	1. 126-3/1
えきべてるかり」」	$(3+x)  0 \leq \sin^2 n \leq 1$		Continous on The
_ 2	1+sin2x >	/	interval
n an inleger, but	are equal	to	
contrious at all	The function	ralues_	$\left[-\frac{3}{2},\infty\right)$
values of x.	OW CHOULINGTON	when	Discontinous only
26)	221 10/14		x=2.
$y = \sqrt{3x-1}$	$(27) y = (2x-1)^{1/3}$		28) y= (2-x) 5
\$5) =1 = DC        =	Combinous exery is	14.1	Confinous x everywhe
103x5140000	. sisher way was every wil		4
Lex BRENIEN	As tains define		$(2-\kappa)^{3}$ is
	is defined for a	Их,	defined for all
3120 X 2 1/2)	limit exist and	18)	X; limits exist
Continous on The	function value	ex.	and are equal
interval of	Confinous Everywhere		to function value
2 - 100 1000	13 12/+1 +0 10 de		(3-1) (2-12)
L3 /	Ne daluss.		[x=-2] [x=5]
22) y= tan 1x	21) y = csc2n		Discontinous only when x=-2 or
Discontinuous when AX	2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>→</b>	26) y= x+2
is on ald introv	12 4 3 70 1		21.502
mulliple of Tig.	Discontinues when 3		hiscontineus at
4 7 (1-42) 6 xx 12/	2x is an ideger multiple raddigle	90	odd integer multiples
ne 2n-1. Continous	of if 12: 2x=nx	$\sum_{n}$	1 ie: X = (2n-1
eron mene else	Ade 3/4 - 200 11	7	n an integer but