Ea-10(0)		() <u>() () () () () () () () () () () () () (</u>
. It state whether the given set is infinite of first :		
() {3,5,7,}	4)	Set of integras salvite (1) Det of leave one true Einst (2) Salvite (1) 1 - 1, -3,0,2,40,2
11) {1,2,3,43 finite	- XX	Ethenburg people in anti- 1862 X (-12, -9, -6, -3,0,36). Set of the in the use of the Infinite No of points too live septent and
111) L 3,-3,-1,0,1,2 Linguiste		lang somitie
iv) (20,20,40,50,, 2003 fints		Cordinal Let
? uptone si tie promother to disher (3		The no of elements in a sot
i) Sat of concelling numbers lutures sand 69 Yes		A= {1, 2, 3, 4,5} n(A) • 5
all film of war lost and less her take fil		ξα - 10 (D)
in Set is as now tuling Tund 9. No is let if an number that are not delicition by 2. No O's Nota emply set		
3, 1 (3,5,74 and (5,3,74)		
Eq. (3) 1912 y and (3) 2) 463		
(1) { 7, 5, 1, 5 and { 1, 2, 1}		
has tapeal Equivalent side.		

are disin	5. State whether or not the following sets are empty: (i) { Prime numbers divisible by 2 } (iii) { Negative natural numbers } (iii) { Women with height 5 metro.}
	(iii) { Women with height 5 metre } Empt. (iv) { Integers less than 5 } Not empt. (v) { Prime numbers between 17 and 23 } Not empt.
ts p	(vi) Set of even numbers not divisible by 2 empky
qU	(vii) Set of multiples of 3 that are more than 9 and less than 15. Not empty
~	6. State if the given pairs of sets are equal sets or equivalent sets:
apping set so known; and sets.	(i) { Natural numbers less than five } and { Letters of the word 'BOAT' }. Equivalent S (ii) { 2, 4, 6, 8, 10 } and { even natural numbers less than 12 }. (iii) { 1, 3, 5, 7, } and set of odd natural numbers.
ts A an	(v) I regaine natural numbers and a pull appropriate the second of a month 1 (1) and a line of the second of the s
- all	(v) { Evol hadda hambers } and { Odd haddrai numbers }. Followers to the
	the state whether the following are mittee of mininte sets:
	(i) {2, 4, 6, 8,, 800 }
0	(iv) { No. of electrical appliances working in your house } Europe
two g	(v) { x : x is a whole number greater than 20 } I divite
- 130	(vi) { x : x is a whole number less than 20 }. Curyly
	8. For each statement, given below, write True or False:
	(i) {, -8, -4, 0, 4, 8 } is a finite set.
	(ii) { - 32, - 28, - 24, - 20,, 0, 4, 8, 16 } is an infinite set.
0000	(iii) { x : x is a natural number less than 1 } is the empty set.
	(iv) { Whole numbers between 15 and 16 } = { Natural numbers between 5 and 6 }.
13	(v) { Odd numbers divisible by 2 } is the empty set.
	(vi) { Even natural numbers divisible by 3 } is the empty set.
OW	(vii) { x : x is positive and x < 0 } is the empty set.
	(viii) {, -5, -3, -1, 1, 3, 5, } is a finite set. ⊱
	State, giving reasons, which of the following pairs of sets are disjoint sets and which are overlapping sets:
	(i) A = { Girls with ages below 15 years } and Discount
	B = { Girls with ages above 15 years }
}	(ii) C = { Boys with ages above 20 years } and outline place D = { Boys with ages above 27 years }
e, m)	
	(iii) A = { Natural numbers between 35 and 60 } and @verylog cut
	b = { Natural numbers between 50 and 80 }
SI	(iv) P = { Students of Class IX studying in I.C.S.E. Board } and @No. Capping
3	Q = { Students of Class IX }
- 3	(v) A = { Natural numbers that are multiples of 3 and less than 30 } and
1	B = { Natural numbers divisible by 4 and lying between 20 and 45 }
	(vi) P = { Letters in the word 'ALLAHABAD' } and
11	Q = { Letters in the word 'MUSSOORIE' }
	- V
:hool -6	Playing With Numbers ————————————————————————————————————