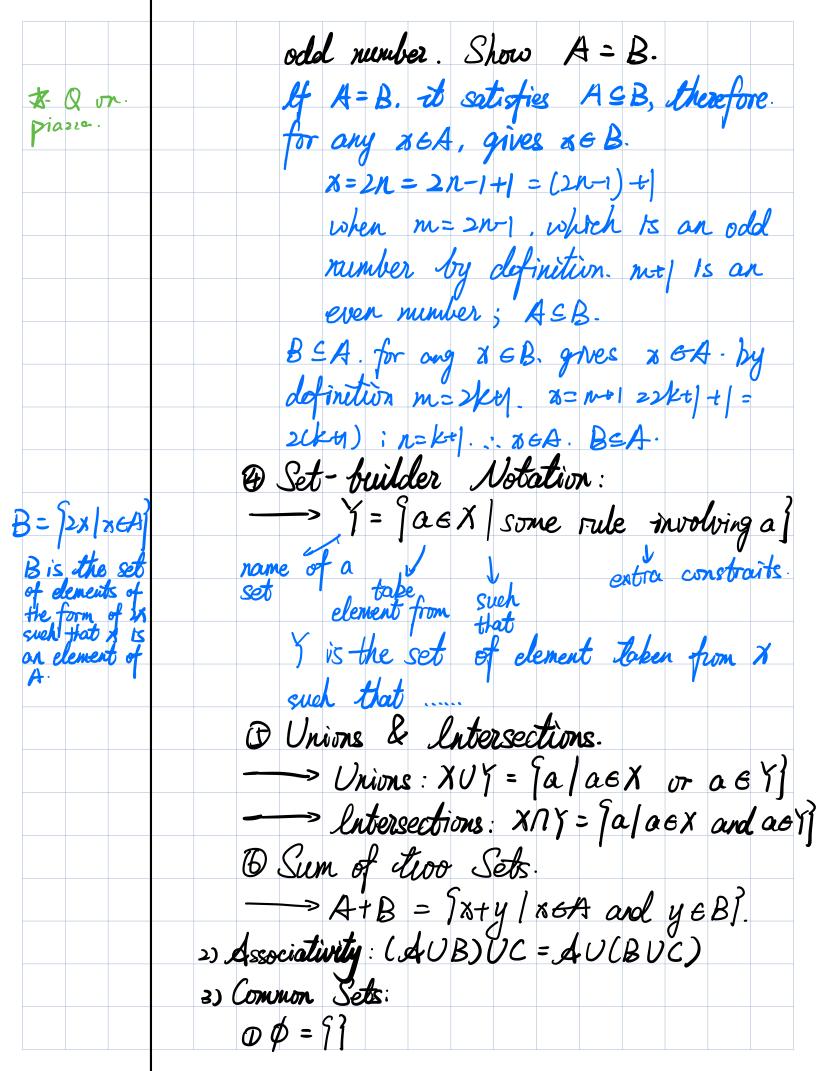
	(	ets,	Vec	tors	2	1	stat	ion		
	1. Set								istinct	b ob-
can contain mixture of objects.inclu- ding other sets:	jects	Notati								
ding other		O elen	nents							
91,0,970,∞]4			<b>→</b> 6		an el		t of	set.		
			<b>→</b>	: 1s	rot 0	m e	leme	et of	set.	
Aeg. A= [1] B=[[1], [1,23]]				46	91,2,3	3				la mart
AGB.		$  \phi  _{\sigma}$	r   7 1							le ments
۵.				b) is	not	the	eny	rty se	et: t	le set
		3 set	ts:		enq	y s				
we can write BSB.		<b>d</b>	→ B	CA U	: set  B	B	$\leq a$	subs	et of	set
		de ?	sa	supe	rset	of $B$				
			> A	= B	(set	equlit	<b>(y)</b> :	AC	Bon	d
					t be	the	set	of n	umber	s that
		Ci	en be	e ex	Dresseo	l 08	2n	for	80me	whole
					and					



remen write	uber He	to		$\mathfrak{D}/N = \{0,1,2,3,\} = \{\text{natural numbers}\}$
entra	_			@ Z = [, -3, -2, -1, 0,] = [integers   Invoting
				@ Q = [ rational rumbers ] = ] quotient of integers
				DR= [ real numbers ]= [ numbers with a deci
				ORn= Trectors in n-dimensional Euclidean
				space ?
				4) Some and All.
漏-	一个第	ら不		DA=9x x=2n for all nGN?
程.				x=2x1 =2x2 = 2x3 = 2x4
				2-> no any number can satisfy.
				$A \neq \phi$
有-	<b> </b>	讨		OB=9yly=2n for some nEN?
1				26B; 2=2x] 46B; 4=2x2.
				$66B_36=2x3$ : $B=Set$ of all even
				number.
			2.	Vectors & Scalars.
				1) definition
				Oscalor: models a relationship between quan-
				tities.
				D'vector: models a relationship between points. (displacement with a direction and
				a magnitude)
				2) Notation
				OPa: the vector from P to Q.
				VIA. ME VELIUI JIM I W U.

