Honest Effort 3.1.2 b) False set A does not has a set with the element 15. d) True. A set is always a subset itself. e) False. B does not contain a empty set. f) True We have infinite amount of integer 3.1.5 a) $A = \{x \in z : -2 \le x \le 2\}$ |A| = 5 c) $C = \{ x \in Z : -3 \leq x \leq q \text{ and } x \text{ is odd } \}$ |c| = 7 3.2.1 d) False . The element 3 is not in & but a set containing the element 3 is in X f) False. {1,23 is not a subset of a but £ £1233 75. j) True, {2,33 is a element in X i) False, 3 is not a domant in X

```
Honest Effort
               P(A) = \{ \theta, \{a3, \{b3, \{a, b3\}\} \}
3,3,4
               P(B) = \{ \beta, \{ b \}, \{ c \}, \{ b, c \} \}
          c) P(A) \cap P(B) = \{\emptyset, \{b\}\}
          d) P(A) \cup P(B) = \{ \emptyset, \{ a \}, \{ b \}, \{ c \}, \{ a, b \}, \{ b, c \} \}
3.4.4 e) AUB = ABB
             AUB = 9 1,2,3,4,-1,-2,-33
             A \oplus B = \{ 1, 2, 3, 4, -1, -2, -33 \}
               True
         h) True, { {033 is a subset of the Power set of C
3, b, 7 = (XB = \{\{ab\}, \{ac\}, \{bb\}, \{bc\}, \{db\}, \{dc\}\}\}
                B \times C = \{\{ba\}, \{bb\}, \{bd\}, \{ca\}, \{cb\}, \{cd\}\}\}
              (CXB) \cap (BXC) = \{\{bb\}\}
         f) AXB = { {ab}, {ac}}
            P(A \times B) = \{ \emptyset, \{ab3, \{ac3, \{abac33\}\}\} \}
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	Honest Effort
	TUTIES CONTRACTOR CONT
3,7,3	b) No, A, B and D are not pairwise disjoint
3.74	a) No, For each digit i, it should include all student
	whose ID starts with i,

	Honest Effort and Feedback Given		
	HUMES ENJYC AND FEELD	ace siver	
3,52	α) $(Anc) \cup (Anc) = c$		
	(ÃnC)V(ANC)	Start	
	(C n A) V (A n C)	commutative law	
	(CNĀ) U (CNA)	commutative law	
	CN(ĀVA)	Distributive law	
	CNLAVĀZ	Commutative Iaw	
	Cn(V)	complement law	
		Identity law	
3,7,3	c) No, B, D and E are not pairwise disjoint,		