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

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Honest Effort
                P(A) = \{ \theta, \{a3, \{b3, \{a, b3\}\} \}
3,34
                P(B) = { & { 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 = \ 1,2,3,4,-1,-2,-33
              A \oplus B = \{ 1, 2, 3, 4, -1, -2, -3, 3 \}
                True
         h) True, { {033 is a subset of the Power set of C
3, 6, 7 = (XB = \{\{a,b\}, \{a,c\}, \{b,b\}, \{b,c\}, \{d,b\}, \{d,c\}\}\}
                B \times C = \{\{b, a\}, \{b, b\}, \{b, d\}, \{c, a\}, \{c, b\}, \{c, d\}\}\}
               (C \times B) \cap (B \times C) = \{\{b,b\}\}
         f) AXB = \{\{a,b\}, \{a,c\}\}
            P(A \times B) = \{ \emptyset, \{ a, b \}, \{ a, c \}, \{ a, b, a, c \} \}
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| | Honest Effort |
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| | 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, |
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| | Honest Effort and Feedback Given | | |
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| | 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, | | |
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