EduSahara™ Assignment

Name : Single Set Problems

Chapter : Sets

Grade : ICSE Grade VII

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1. If A = {-5,-3,4,-8,3,-9} and μ = {-5,-3,4,-8,3,-9,-7,8,7,6}, find A ∪ A

   (i) {-9,-8,-5,5,4,1,3,-3} (ii) {-5,-9,-3,0,-8,4} (iii) {-3,-9,-8,4,3} (iv) {-5,-9,-3,3,-8,4} (v) {4,-3,-1,-8,3,-9}

2. If A = {-8,5,-4,-3,7,8} and μ = {-8,5,-4,-3,7,8,3,2,-7,-6}, find A ∪ ∅

   (i) {-4,5,-3,7,-8,8} (ii) {-3,7,8,-5,5,0} (iii) {-8,-4,7,-3,8} (iv) {5,7,-3,-1,8,-8} (v) {0,-1,-3,-4,5,8,7,-8}

3. If A = {-9,-1,3} and μ = {-9,-1,3,-5,-3}, find A ∪ μ

   (i) {3,-5,-1,-6,-3} (ii) {-3,-5,-9,-1,6} (iii) {-1,3,0,-3,1,-5,-9} (iv) {-1,-3,-9,3} (v) {-1,-3,-9,-5,3}

4. If A = {-2,3,-3,4,-4} and μ = {-2,3,-3,4,-4,0,7,-5}, find A ∩ A

   (i) {3,-2,4,-3} (ii) {-2,-4,-3,-1,0} (iii) {3,-4,-3,4,-2} (iv) {-4,2,-2,3,-3,-1,4} (v) {}

5. If A = {0,7,-9,9,-1,-8} and μ = {0,7,-9,9,-1,-8,1,-3,-5,-4}, find A ∩ ∅

   (i) {} (ii) {1} (iii) {-1} (iv) {1,5}

6. If A = {7,-3,-7,5,2} and μ = {7,-3,-7,5,2,-8,4,0}, find A ∩ μ

   (i) {5,7,-7,2,-3} (ii) {} (iii) {5,-7,3,-3,7} (iv) {-1,-7,1,7,-3,5,2} (v) {7,5,2,-7}

7. If A = {-5,-8,8} and μ = {-5,-8,8,5,3}, find A'

   (i) {5,6} (ii) {5,3} (iii) {7,0} (iv) {-1,3,5,0} (v) {5}

8. If A = {5,-4,-8,3} and μ = {5,-4,-8,3,8,0,-6}, find A ∪ A'

   (i) {0,5,3,8,-5,-7,-1} (ii) {-8,0,-6,-4,8,5,3} (iii) {-1,3,-4,5,-8,0,8,2,-6} (iv) {5,8,-8,3,-4,0}

   (v) {5,-7,-8,-4,0,3,8}

9. If A = {-1,-9,7} and μ = {-1,-9,7,4,-2}, find A ∩ A'

   (i) {0} (ii) {3} (iii) {} (iv) {1,3}

10. If A = {2,-2,8,1} and μ = {2,-2,8,1,0,-9,-4}, find (A')'

    (i) {8,7,1,5} (ii) {8,1,2} (iii) {8,2,1,-2} (iv) {} (v) {-2,5,2,1,-1,8}

## Assignment Key

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|---|---|---|---|---|---|
| 1) (iv) | 2) (i) | 3) (v) | 4) (iii) | 5) (i) | 6) (i) |
| 7) (ii) | 8) (ii) | 9) (iii) | 10) (iii) | | |

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