

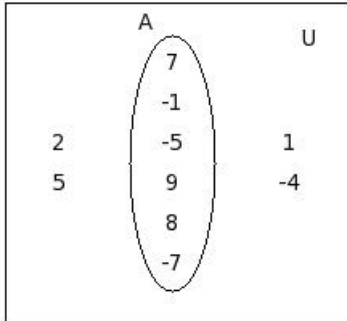
EduSahara™ Learning Center Assignment

Grade : Class X, SSC

Chapter : Sets

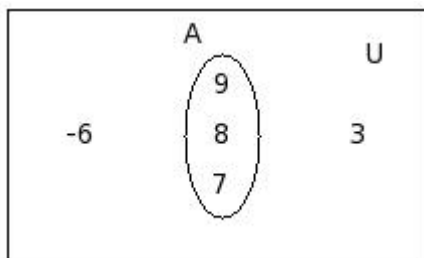
Name : Single Set Operations using Venn Diagrams

1. Find A



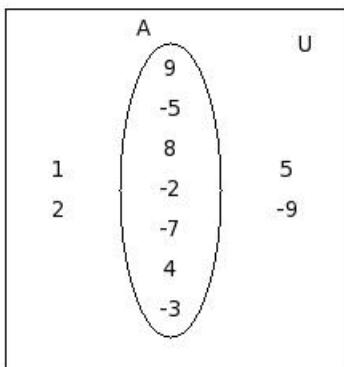
- (i) $\{-5, -7, 9, -1, 8\}$ (ii) $\{-2, 9, 1, 3, 13, -7, 2\}$ (iii) $\{9, -1, -5, -7, 13\}$
 (iv) $\{9, -2, -7, 13, 1\}$ (v) $\{9, 8, -5, -1, -7, 7\}$

2. Find $\emptyset$



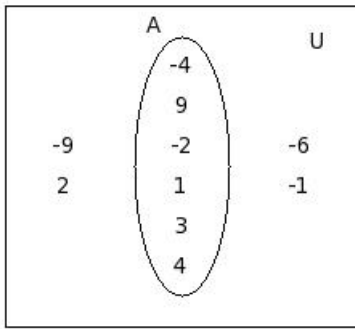
- (i) $\{0, 4, 3, -2\}$ (ii) $\{-1\}$ (iii) $\{-2\}$ (iv) $\{\}$ (v) $\{4, -2\}$

3. Find μ



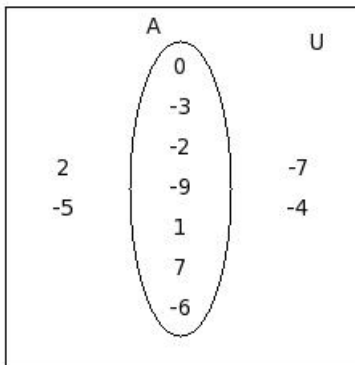
- (i) $\{4, -6, 8, -9, -7, 5, -2, -3, 2, 9\}$
 (ii) $\{-3, 4, -6, -9, 9, 7, -7, 11, -2, 2\}$
 (iii) $\{9, 2, -5, -7, 5, -2, 8, 4, -3, -9\}$
 (iv) $\{2, 1, -9, -5, -3, 4, 5, 9, -2, -7, 8\}$
 (v) $\{-1, 1, -2, 9, -7, 11, -3, 4, 7, -9, 2, -6\}$

4. Find $A \cup A$



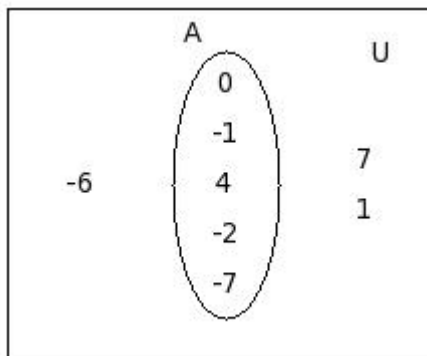
- (i) $\{-2, 9, 3, -4, 1\}$ (ii) $\{1, -1, -2, 9, 5, -5, 2\}$ (iii) $\{4, 1, -2, 9, -4, 3\}$
 (iv) $\{9, 1, -5, -2, 3\}$ (v) $\{9, 1, -5, -2, -1\}$

5. Find $A \cup \emptyset$



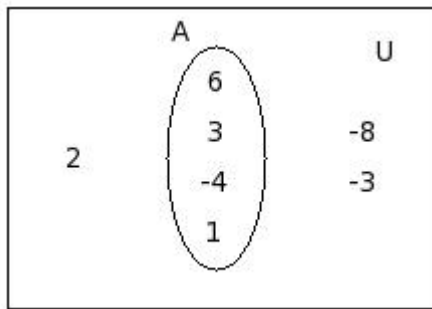
- (i) $\{-9, -2, 0, -6, 7, 1\}$ (ii) $\{-9, 5, 0, 2, -1, -2, -6, 13\}$
 (iii) $\{-9, 10, -2, -6, 1, 0\}$ (iv) $\{-6, -9, 1, 7, 0, -3, -2\}$
 (v) $\{-2, 13, -9, 2, 0, -6\}$

6. Find $A \cup \mu$



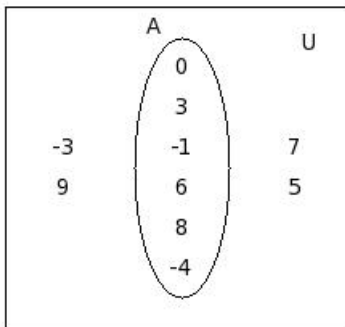
- (i) $\{-7, 3, 0, 1, -6, 7, -2\}$ (ii) $\{-7, 0, 1, -2, 7, -1, 4, -6\}$
 (iii) $\{-2, -1, -7, 0, -6, 1, 7\}$ (iv) $\{-7, 6, 3, 0, -6, 7, -2\}$
 (v) $\{0, 7, -6, -2, 4, -7, 6, 3, 5\}$

7. Find $A \cap A$



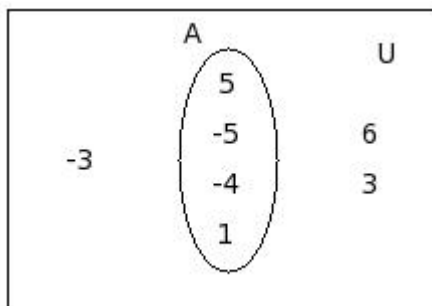
- (i) $\{3, -1, 7\}$ (ii) $\{1, 5, 3\}$ (iii) $\{1, 3, 6\}$
 (iv) $\{1, -4, 6, 3\}$ (v) $\{-1, 5, 7, 0, 3\}$

8. Find $A \cap \emptyset$



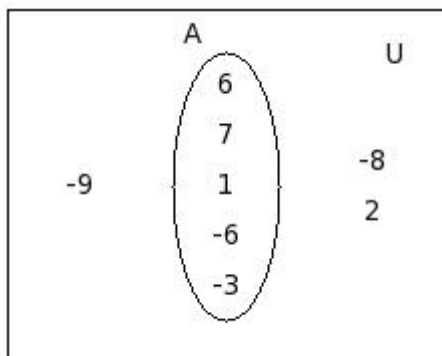
- (i) $\{\}$ (ii) $\{-1, 1, 4, 3\}$ (iii) $\{4, 1\}$ (iv) $\{-1\}$ (v) $\{4\}$

9. Find $A \cap \mu$



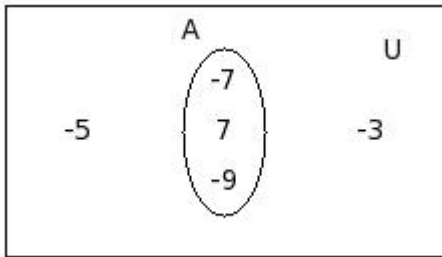
- (i) $\{5, -4, 4, -1, 3\}$ (ii) $\{1, -4, -5\}$ (iii) $\{5, -4, -5, 1\}$
 (iv) $\{5, -4, 4\}$ (v) $\{\}$

10. Find $n(A)$



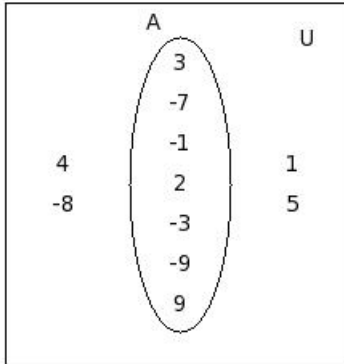
- (i) 4 (ii) 5 (iii) 6 (iv) 2 (v) 8

11. Find $n(\emptyset)$



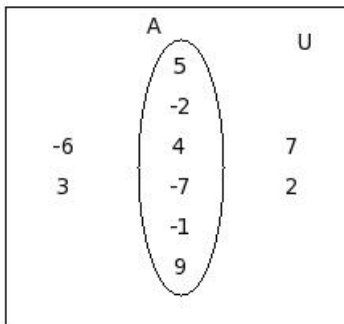
- (i) 1 (ii) 0 (iii) (-1) (iv) (-3) (v) 2

12. Find $n(\mu)$



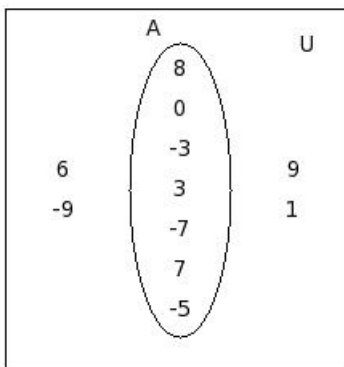
- (i) 13 (ii) 12 (iii) 10 (iv) 11 (v) 8

13. Find $n(A \cup A)$



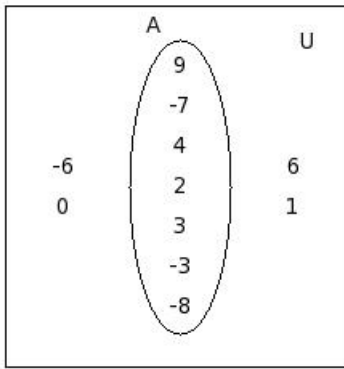
- (i) 7 (ii) 6 (iii) 9 (iv) 4 (v) 5

14. Find $n(A \cup \emptyset)$



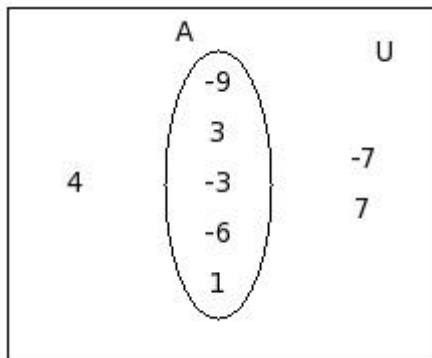
- (i) 6 (ii) 7 (iii) 5 (iv) 9 (v) 8

15. Find $n(A \cup \mu)$



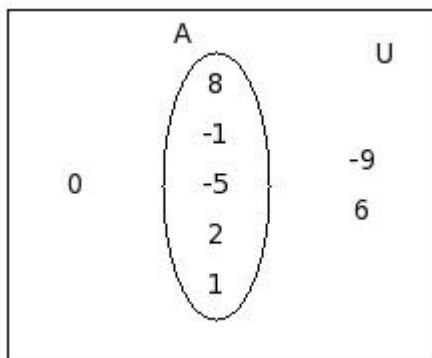
- (i) 12 (ii) 13 (iii) 8 (iv) 11 (v) 10

16. Find $n(A \cap A)$



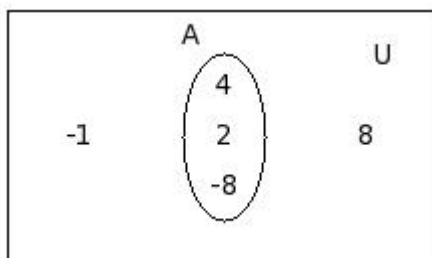
- (i) 4 (ii) 5 (iii) 6 (iv) 2 (v) 8

17. Find $n(A \cap \emptyset)$



- (i) 3 (ii) 0 (iii) (-2) (iv) 1 (v) (-1)

18. Find $n(A \cap \mu)$



- (i) 3 (ii) 2 (iii) 1 (iv) 5 (v) 4

Assignment Key

- 1) (v)
- 2) (iv)
- 3) (iv)
- 4) (iii)
- 5) (iv)
- 6) (ii)
- 7) (iv)
- 8) (i)
- 9) (iii)
- 10) (ii)
- 11) (ii)
- 12) (iv)
- 13) (ii)
- 14) (ii)
- 15) (iv)
- 16) (ii)
- 17) (ii)
- 18) (i)