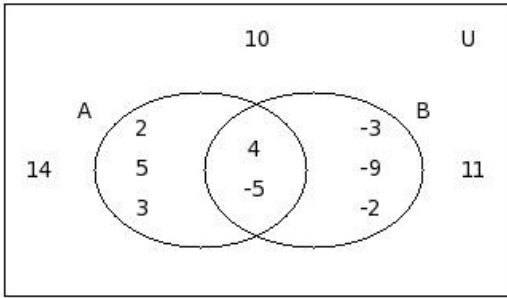


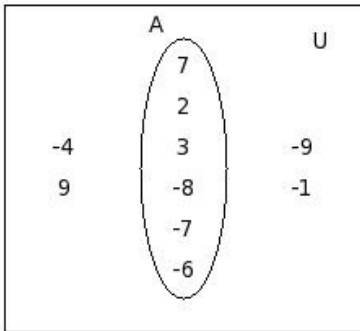


1.  $A \cup B =$



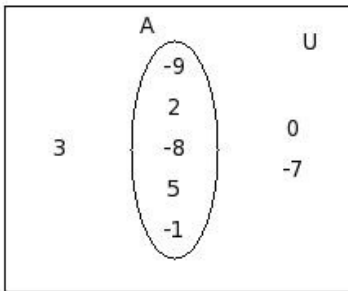
- (i)  $\{-2, -5, -3, 4, -9, 11, 3, 5\}$  (ii)  $\{4, -2, 11, 2, -9, 5, -5, -3, 3\}$  (iii)  $\{5, 3, -3, -9, 4, 2, -2\}$  (iv)  $\{-9, 2, 3, -3, -5, -2, 5, 4\}$   
(v)  $\{5, 3, -3, -9, -5, -2, 2\}$

2. Find A



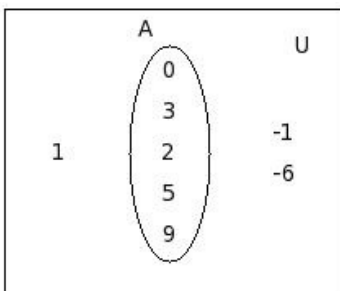
- (i)  $\{2, -6, -8, 7, -7\}$  (ii)  $\{-5, -2, -9, 7, 2\}$  (iii)  $\{-5, -2, -9, 5, 2, 0, 7\}$  (iv)  $\{-8, -7, -6, 2, 7, 3\}$  (v)  $\{-2, -8, 7, -7, 2\}$

3. Find  $\emptyset$



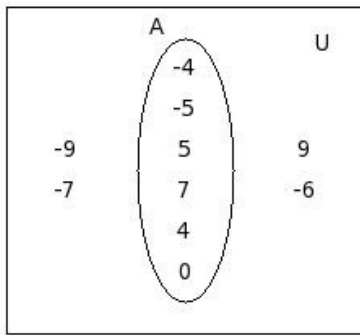
- (i)  $\{3\}$  (ii)  $\{\}$  (iii)  $\{0, 4, 2, 3\}$  (iv)  $\{2\}$  (v)  $\{0, 3\}$

4. Find  $A \cup A$



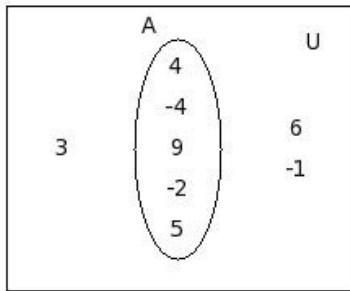
- (i)  $\{9, 5, 0, 6\}$  (ii)  $\{3, 4, 5, -3, 14, 6\}$  (iii)  $\{0, 3, 5, 9\}$  (iv)  $\{3, 0, 2, 9, 5\}$  (v)  $\{14, 5, 6, -3\}$

5. Find  $A \cup \emptyset$



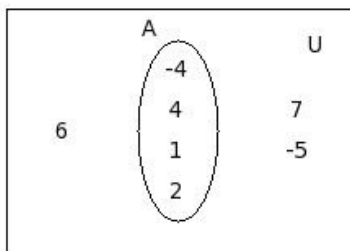
- (i)  $\{9, -5, 4, 7, -4\}$  (ii)  $\{-4, 4, 7, -5, 5\}$  (iii)  $\{9, -5, 4, 1, 10\}$  (iv)  $\{5, 0, -4, 4, -5, 7\}$  (v)  $\{5, 10, 4, -1, 1, 9, -5\}$

6. Find  $A \cap A$



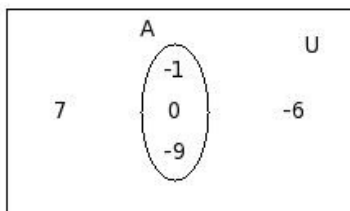
- (i)  $\{-2, 0, 1, -1, 4, 9\}$  (ii)  $\{9, 4, 5, -2, -4\}$  (iii)  $\{9, 4, -4, 5\}$  (iv)  $\{5, 9, -2, 4\}$  (v)  $\{4, -2, 9, -1\}$

7. Find  $A \cap \emptyset$



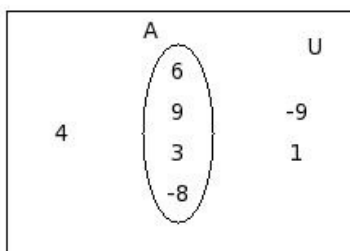
- (i)  $\{0, 2, 1, 3\}$  (ii)  $\{2\}$  (iii)  $\{\}$  (iv)  $\{1, 0\}$  (v)  $\{1\}$

8. Find  $n(A)$



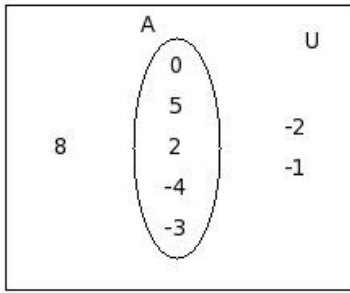
- (i) 4 (ii) 3 (iii) 2 (iv) 5 (v) 0

9. Find  $n(\emptyset)$



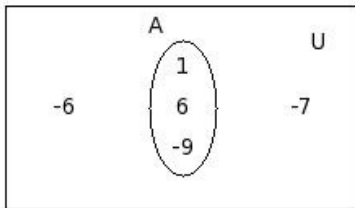
- (i)  $\{-1\}$  (ii)  $\{-2\}$  (iii) 0 (iv) 1 (v) 3

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



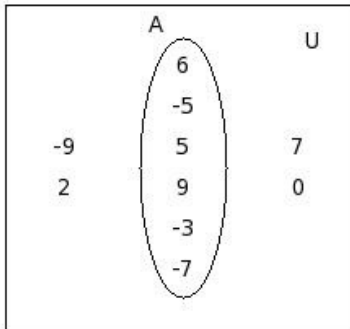
- (i) 2 (ii) 6 (iii) 4 (iv) 5 (v) 8

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



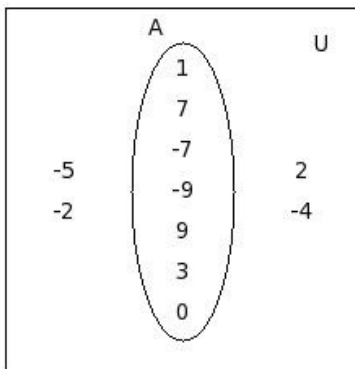
- (i) 6 (ii) 3 (iii) 2 (iv) 1 (v) 4

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



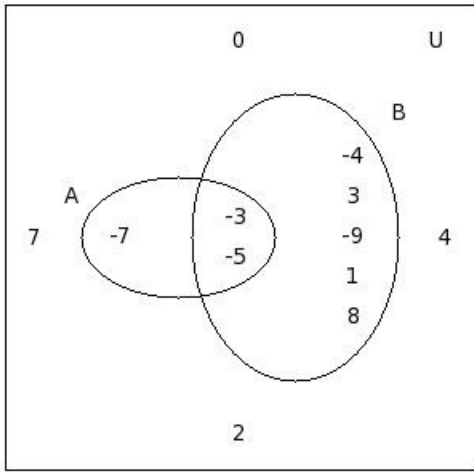
- (i) 4 (ii) 7 (iii) 8 (iv) 6 (v) 5

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



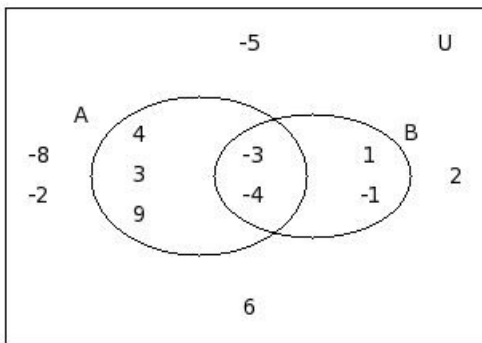
- (i) (-3) (ii) 1 (iii) 0 (iv) 3 (v) (-1)

14. Find A



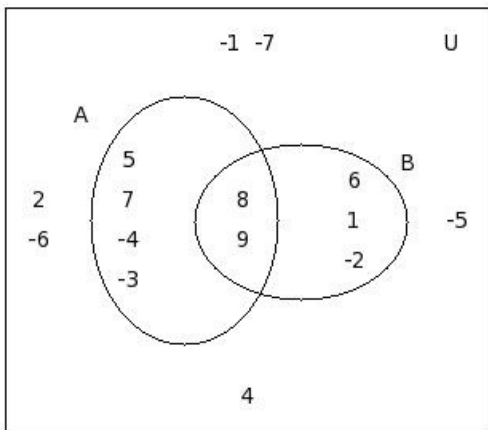
- (i)  $\{-7, -3\}$  (ii)  $\{-3, -5, 2, -7\}$  (iii)  $\{-3, -5, 4\}$  (iv)  $\{\}$  (v)  $\{-3, -7, -5\}$

15. Find B



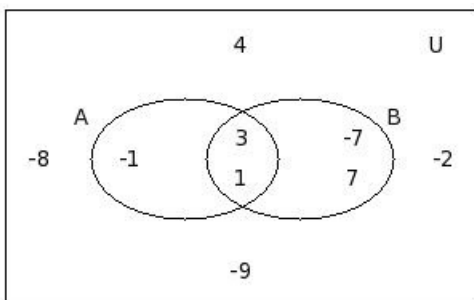
- (i)  $\{1, -4, -3\}$  (ii)  $\{-1, -4, -2, -3, 1\}$  (iii)  $\{1, -1, -4\}$  (iv)  $\{-4, 1, -3, -5\}$  (v)  $\{-1, -3, 1, -4\}$

16. Find  $A \cup B$



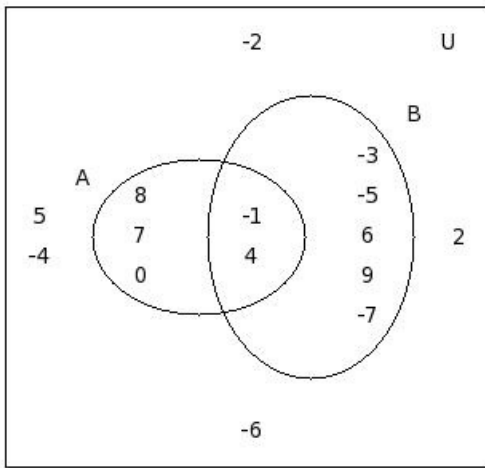
- (i)  $\{4, 7, -4, -2, 5, 8, -3, 1, 6\}$  (ii)  $\{1, -3, -4, 7, 9, -2, 6, 5\}$  (iii)  $\{-4, 2, 8, 5, 1, 6, -2, 9, -3, 7\}$  (iv)  $\{-2, 1, 6, 7, 8, 9, -4, -3, 5\}$   
 (v)  $\{8, -2, 1, -4, 9, 6, -3, 7\}$

17. Find  $A \cap B$



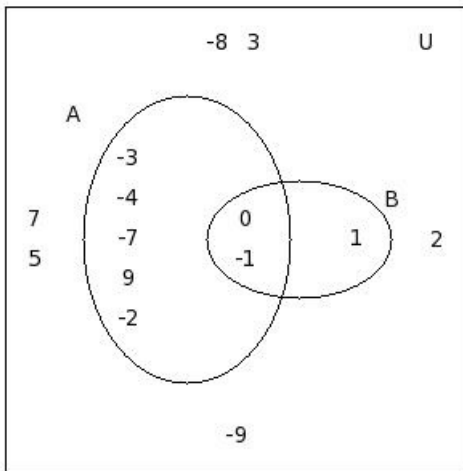
- (i)  $\{3, 1\}$  (ii)  $\{1, -8\}$  (iii)  $\{1\}$  (iv)  $\{3, 1, 4\}$  (v)  $\{3\}$

18. Find  $n(A)$



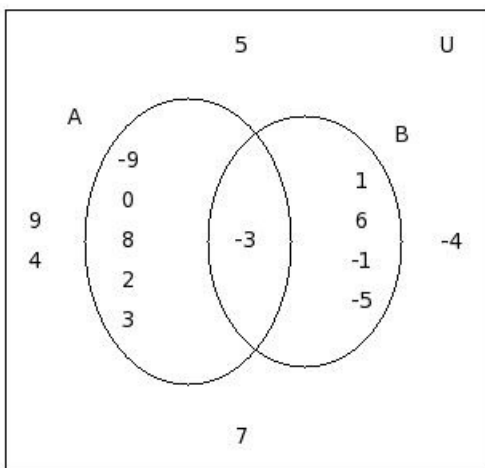
- (i) 2 (ii) 8 (iii) 6 (iv) 4 (v) 5

19. Find  $n(B)$



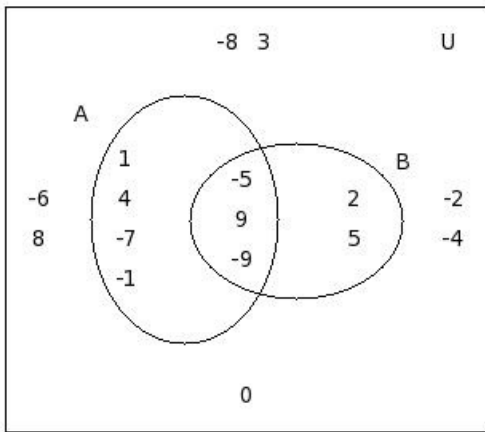
- (i) 2 (ii) 6 (iii) 4 (iv) 3 (v) 1

20. Find  $n(A \cup B)$



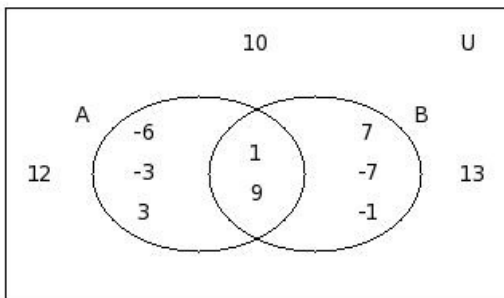
- (i) 10 (ii) 7 (iii) 12 (iv) 11 (v) 9

21. Find  $n(A \cap B)$



- (i) 5 (ii) 2 (iii) 4 (iv) 3 (v) 0

22.  $A \cap B =$



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

## Assignment Key

1) (iv)	2) (iv)	3) (ii)	4) (iv)	5) (iv)	6) (ii)
7) (iii)	8) (ii)	9) (iii)	10) (iv)	11) (ii)	12) (iv)
13) (iii)	14) (v)	15) (v)	16) (iv)	17) (i)	18) (v)
19) (iv)	20) (i)	21) (iv)	22) (iv)		