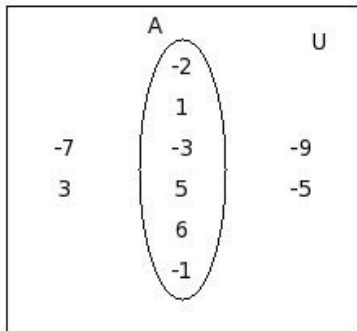


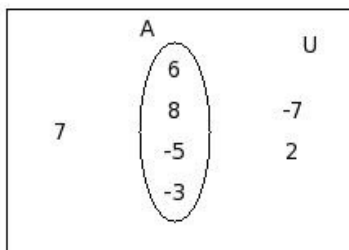


1. Find A



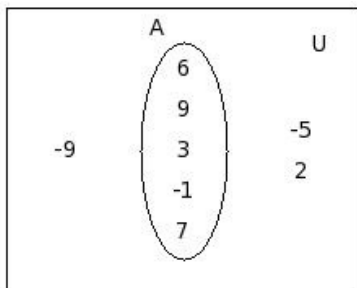
- (i) {5,-2,6,1,-1} (ii) {6,4,5,-1,-2} (iii) {1,-2,-3,5,6,-1} (iv) {4,3,0,-2,-1,5,7} (v) {-1,-2,5,7,3}

2. Find  $\emptyset$



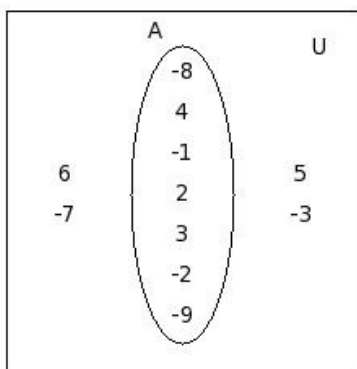
- (i) {6} (ii) {1} (iii) {} (iv) {6,1} (v) {1,3,0,6}

3. Find  $\mu$



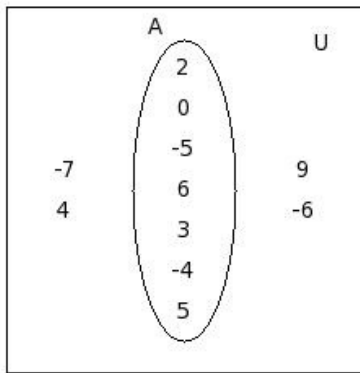
- (i) {5,6,-9,10,-1,7,2,3,9} (ii) {9,-1,2,-9,7,3,6} (iii) {6,9,3,-9,2,-1,7,-5} (iv) {6,10,9,3,-9,7,-1} (v) {2,-1,-9,10,7,3,9}

4. Find  $A \cup A$



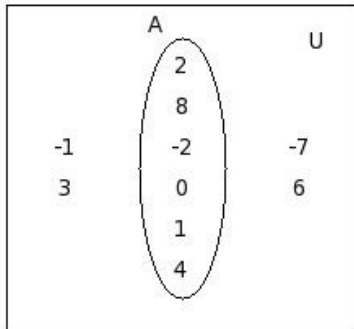
- (i) {3,2,-1,4,-8,-2,-9} (ii) {4,-1,-4,-2,2,3} (iii) {4,2,-2,3,-9,-1} (iv) {} (v) {-4,-2,5,4,-1,2,3,1}

5. Find  $A \cup \emptyset$



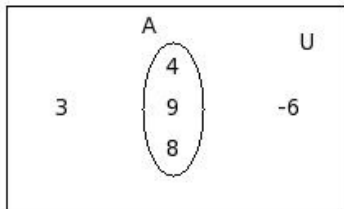
- (i)  $\{8,6,4,-5,0,-2\}$  (ii)  $\{2,5,0,-4,3,6,-5\}$  (iii)  $\{2,5,6,3,0,-5\}$  (iv)  $\{\}$  (v)  $\{8,-5,1,-1,0,4,6,-2\}$

6. Find  $A \cup \mu$



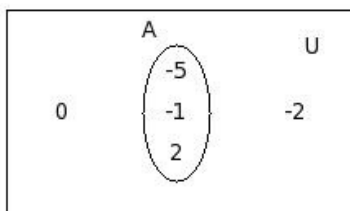
- (i)  $\{-2,-1,5,8,4,3,-7,6,0\}$  (ii)  $\{3,-1,0,8,-2,4,-7,1,6,2\}$  (iii)  $\{-7,8,4,6,-2,1,3,0,-1\}$  (iv)  $\{6,8,2,4,-1,-7,1,-2,11,0,5\}$   
(v)  $\{1,-1,11,-2,4,6,5,8,-7\}$

7. Find  $A \cap A$



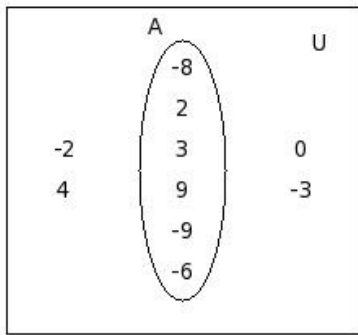
- (i)  $\{4,9,8\}$  (ii)  $\{8,4,-1,11\}$  (iii)  $\{4,9\}$  (iv)  $\{8,11\}$  (v)  $\{8,9\}$

8. Find  $A \cap \emptyset$



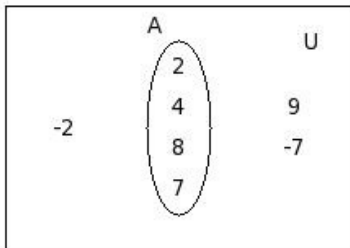
- (i)  $\{\}$  (ii)  $\{2\}$  (iii)  $\{0,1,-1,4\}$  (iv)  $\{0,4\}$  (v)  $\{4\}$

9. Find  $A \cap \mu$



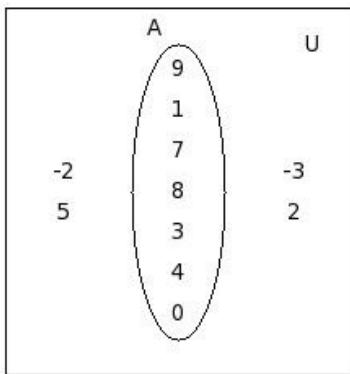
- (i)  $\{3,2,6,-8,-12\}$  (ii)  $\{2,3,-9,-6,9,-8\}$  (iii)  $\{3,9,-8,-9,2\}$  (iv)  $\{6,-8,0,1,3,2,-12\}$  (v)  $\{\}$

10. Find  $A'$



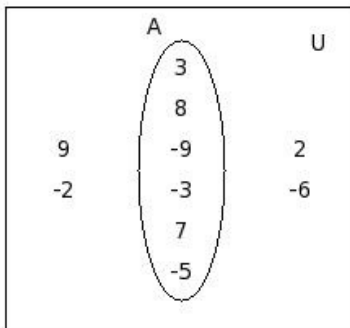
- (i)  $\{-7,9\}$  (ii)  $\{9,-7,-2\}$  (iii)  $\{-8,9\}$  (iv)  $\{-8,14\}$  (v)  $\{5,14,4,-8\}$

11. Find  $A \cup A'$



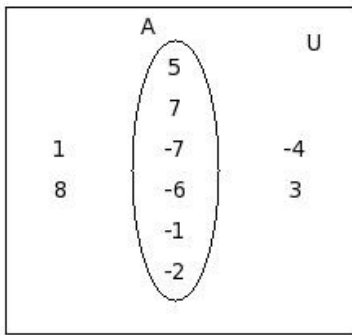
- (i)  $\{3,0,4,-3,1,5,-2,7,9,8\}$  (ii)  $\{-3,3,-2,8,9,1,5,0,2,7,4\}$  (iii)  $\{2,0,-3,3,-2,8,9,1,4,5\}$   
(iv)  $\{0,3,-2,5,7,9,8,-6,1,4\}$  (v)  $\{0,4,-1,1,9,-6,7,3,8,2,-2,5\}$

12. Find  $A \cap A'$



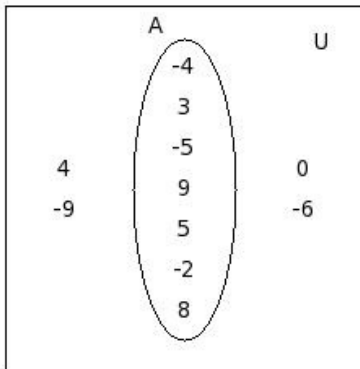
- (i)  $\{5\}$  (ii)  $\{4,2\}$  (iii)  $\{\}$  (iv)  $\{2,0,4,3\}$  (v)  $\{4\}$

13. Find  $(A)'$



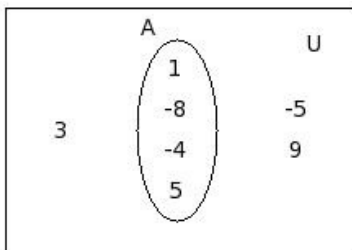
- (i)  $\{7,5,-2,-7,-1\}$  (ii)  $\{-7,4,7,-2,5\}$  (iii)  $\{-7,-1,-6,7,-2,5\}$  (iv)  $\{3,5,-2,7,-1,-7,4\}$  (v)  $\{-1,5,-2,8,-7\}$

14. Find  $n(A)$



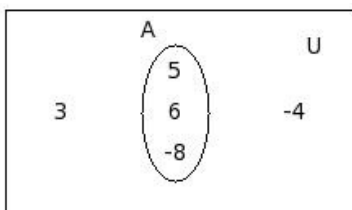
- (i) 8 (ii) 7 (iii) 6 (iv) 4 (v) 9

15. Find  $n(\emptyset)$



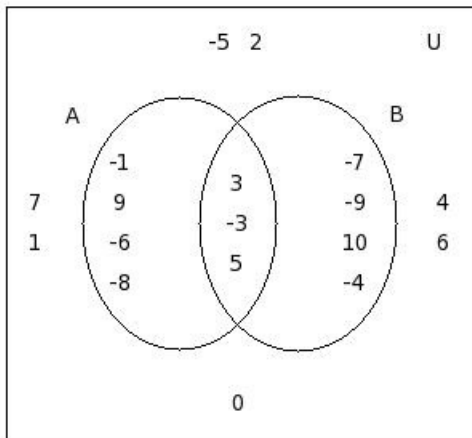
- (i) 2 (ii) (-1) (iii) 0 (iv) 1 (v) (-3)

16. Find  $n(\mu)$



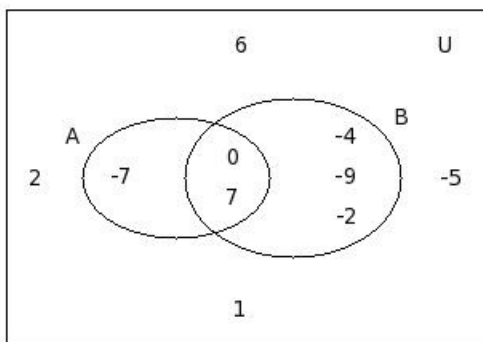
- (i) 5 (ii) 4 (iii) 3 (iv) 7 (v) 6

17. Find A



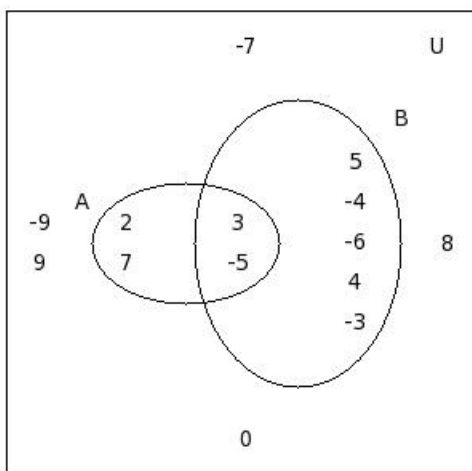
- (i)  $\{-6, 9, -3, 3, 5, -8, -1\}$  (ii)  $\{-1, -8, -6, 3, 9, 5\}$  (iii)  $\{3, -1, -8, -3, 9, -6\}$  (iv)  $\{-6, -3, -8, 3, 4, -1, 9\}$   
 (v)  $\{-8, -1, 9, 3, -3, 6, 5, -6\}$

18. Find B



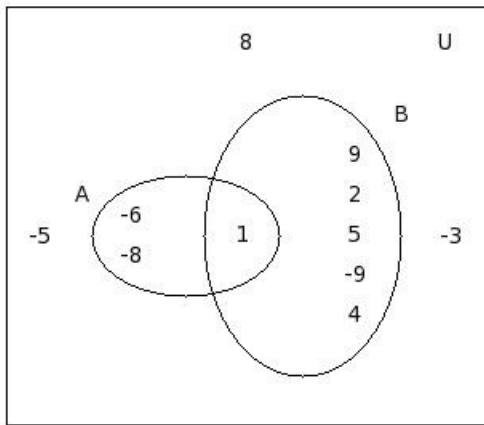
- (i)  $\{-9, 0, -2, 1, -4\}$  (ii)  $\{-9, 2, 0, -2, -4, 7\}$  (iii)  $\{-2, 7, -9, -4, 0\}$  (iv)  $\{-9, -2, -4, 0\}$  (v)  $\{7, -9, -4, 0\}$

19. Find  $A \cup B$



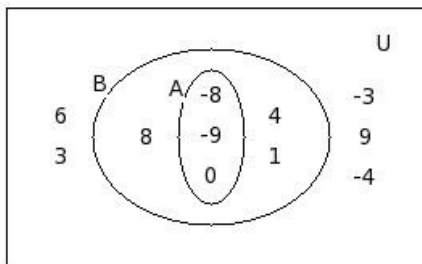
- (i)  $\{2, -5, 3, 4, -4, -3, -6, 5, 7\}$  (ii)  $\{5, -5, 0, 2, 7, -3, 4, -6, 3\}$  (iii)  $\{2, -6, -5, 7, 5, 3, -4, -3\}$  (iv)  $\{4, -5, 2, 3, -6, 5, -3, 7, -7, -4\}$   
 (v)  $\{-3, 7, 5, 3, 2, -6, -4, 4\}$

20. Find  $A \cap B$



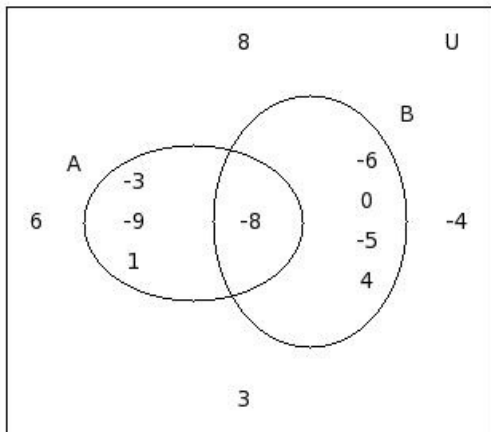
- (i)  $\{-5, 1\}$  (ii)  $\{1\}$  (iii)  $\{-3\}$  (iv)  $\{\}$

21. Find  $A - B$



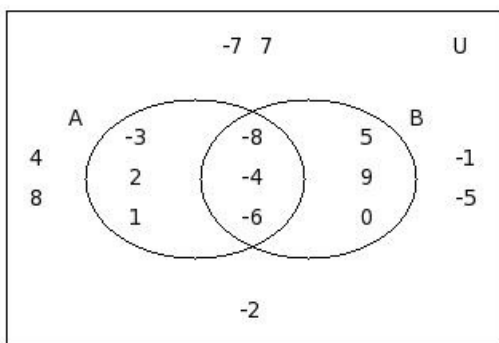
- (i)  $\{6\}$  (ii)  $\{-4\}$  (iii)  $\{\}$

22. Find  $B - A$



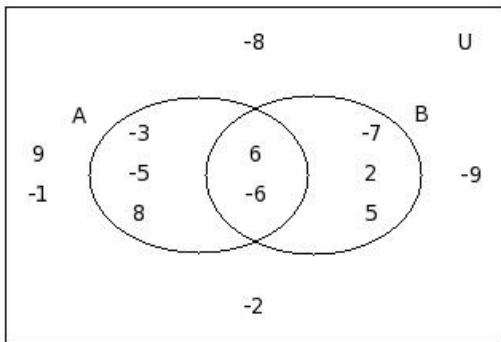
- (i)  $\{4, -6, 0\}$  (ii)  $\{4, -4, 0, -6\}$  (iii)  $\{4, 0, -5, -6\}$  (iv)  $\{\}$  (v)  $\{-5, 4, -6, 0, 3\}$

23. Find  $(A - B) \cup (B - A)$



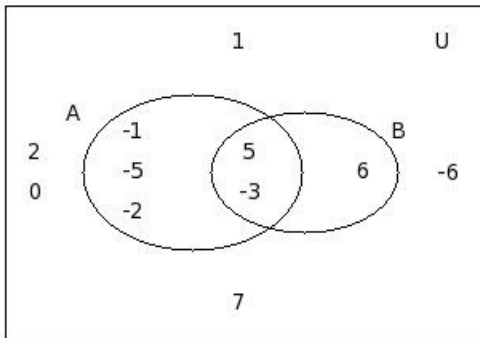
- (i)  $\{-3, 2, 9, 0, 1, 5\}$  (ii)  $\{8, -3, 9, 2, 0, 5\}$  (iii)  $\{2, 0, -3, 1, 5\}$  (iv)  $\{8, -3, 9, 1, 2, 0, 5\}$  (v)  $\{2, 5, -3, 9, 0\}$

24. Find  $(A \cup B) - (A \cap B)$



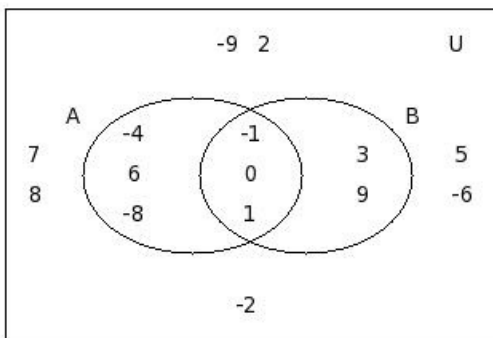
- (i)  $\{8, -7, -5, 5, -8, 2\}$  (ii)  $\{-3, 2, -7, 8, 5\}$  (iii)  $\{2, 8, 5, -7, -5, -8, -3\}$  (iv)  $\{-7, 2, -5, 8, -3, 5\}$  (v)  $\{8, -5, 2, -3, 5\}$

25. Find  $A'$



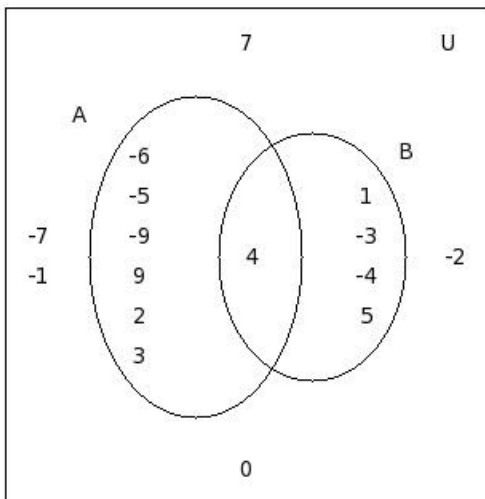
- (i)  $\{2, -6, 0, 7, 1\}$  (ii)  $\{\}$  (iii)  $\{6, 7, 0, 1, -6, 2\}$

26. Find  $B'$



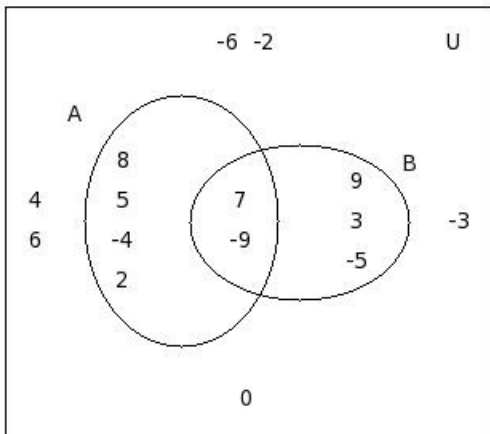
- (i)  $\{-2, -8, 2, 6, -4, -6, -9, 8, 7, 5\}$  (ii)  $\{-2, -6, -4, 8, 2, -8, 7, -9, 5\}$  (iii)  $\{\}$  (iv)  $\{-6, -9, 2, 5, 6, 8, 7, -2, -4\}$

27. Find  $(A \cup B)'$



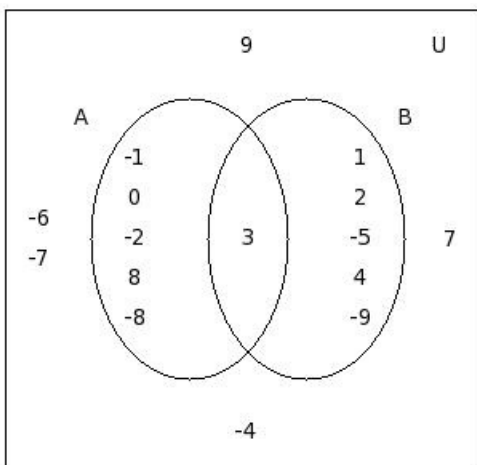
- (i)  $\{7, 0, -2, -7, -1\}$  (ii)  $\{\}$  (iii)  $\{-2, -7, 7, -1\}$

28. Find  $(A \cap B)'$



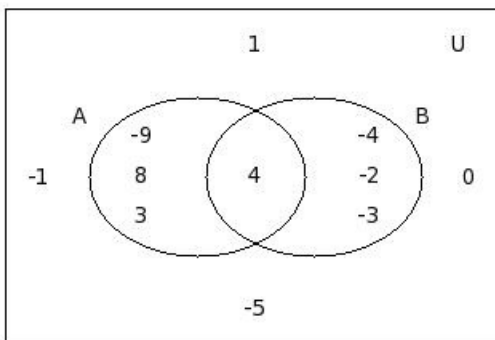
- (i)  $\{2, 3, -4, 6, 8, 0, 9, -5, 5, 4, -2, -6, -3\}$  (ii)  $\{5, -6, 0, 2, 4, -5, -2, 9, 6, -3, 3, 8\}$  (iii)  $\{6, -4, -2, -6, 5, 8, -5, -3, 2, 4, 3, 0\}$  (iv)  $\{\}$   
 (v)  $\{0, 9, -4, 3, -6, 5, -5, 2, -2, 6, 4, -3\}$

29. Find  $(A - B)'$



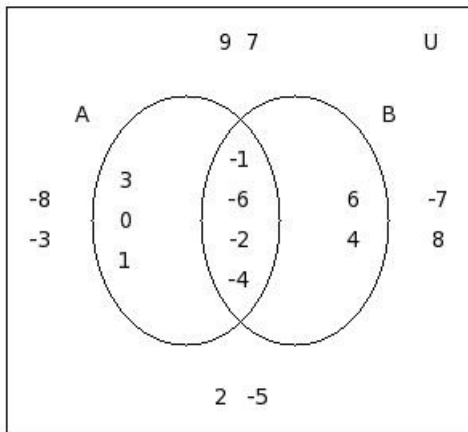
- (i)  $\{1, -7, 7, -5, 2, 3, -6, -9, -4, 9\}$  (ii)  $\{1, 4, 3, -4, 7, 2, -5, -7, -9, -6, 9\}$  (iii)  $\{\}$  (iv)  $\{-7, 4, -5, 1, 9, 7, -4, 2, -9, -6\}$

30. Find  $(B - A)'$



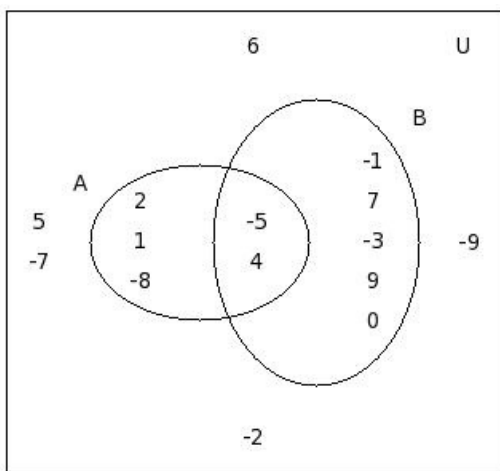
- (i)  $\{0, -5, 8, -1, -9, 4, 1\}$  (ii)  $\{-1, -9, 3, 8, 1, -5, 0\}$  (iii)  $\{4, 3, 1, -1, 8, -5, -9\}$  (iv)  $\{4, 1, -1, 8, 3, -5, -9, 0\}$  (v)  $\{\}$

31. Find  $(A - B) \cup (B - A)'$



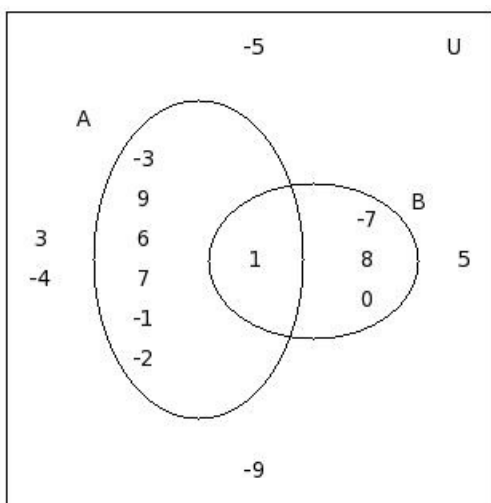
- (i)  $\{9, -7, -4, -3, 7, -6, -8, 2, -2, -1, -5, 8\}$  (ii)  $\{-2, 8, 2, -1, -3, -6, -7, -8, 7, -5, 9\}$  (iii)  $\{-4, -6, 2, -3, -2, -7, 7, -5, 8, 9, -8\}$  (iv)  $\{\}$   
 (v)  $\{2, -4, -2, -8, 9, 7, -7, -5, -3, -6, -1\}$

32. Find  $A' \cup B'$



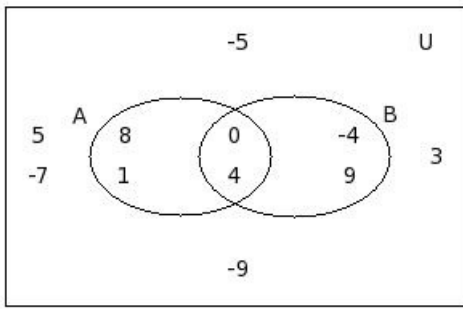
- (i)  $\{\}$  (ii)  $\{7, -3, 2, 0, 6, 9, -7, -9, -2, 5, -1, 1, -8\}$  (iii)  $\{9, -3, -9, 6, 7, -8, -2, -7, 2, 1, 5, -1\}$   
 (iv)  $\{-1, -7, -8, 0, 6, -2, 9, 5, 7, 1, -3, -9\}$

33. Find  $A' \cap B'$



- (i)  $\{\}$  (ii)  $\{-5, -9, 5, 3, -4\}$  (iii)  $\{-4, -9, 3, -5\}$

34. Find  $B' \cap A'$



- (i)  $\{-5, -9, 5, -7, 3\}$  (ii)  $\{-9, 3, -5, 5\}$  (iii)  $\{\}$

## Assignment Key

1) (iii)	2) (iii)	3) (iii)	4) (i)	5) (ii)	6) (ii)
7) (i)	8) (i)	9) (ii)	10) (ii)	11) (ii)	12) (iii)
13) (iii)	14) (ii)	15) (iii)	16) (i)	17) (i)	18) (iii)
19) (i)	20) (ii)	21) (iii)	22) (iii)	23) (i)	24) (iv)
25) (iii)	26) (i)	27) (i)	28) (i)	29) (ii)	30) (iv)
31) (i)	32) (ii)	33) (ii)	34) (i)		