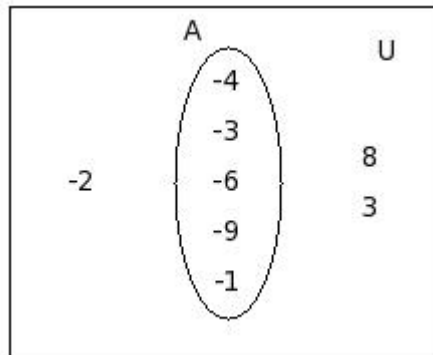


EduSahara™ Learning Center Assignment

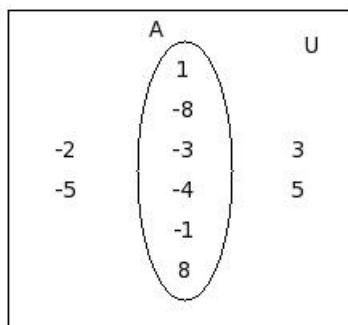
Grade : Class VIII, ICSE
Chapter : Venn Diagrams
Name : Operations on Sets Using Venn Diagrams
Licensed To : Teachers and Students for non-commercial use

1. Find A



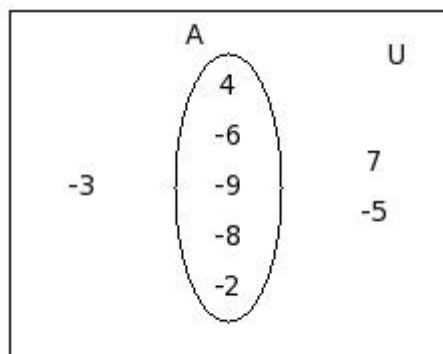
- (i) $\{-6, -10, -4, -1\}$ (ii) $\{-4, -1, -3, -6, -9\}$ (iii) $\{-6, -4, -1, -9\}$
 (iv) $\{-10, -2, -7, -1, 5, 2\}$ (v) $\{-7, -10, -2, -1\}$
-

2. Find $\emptyset$



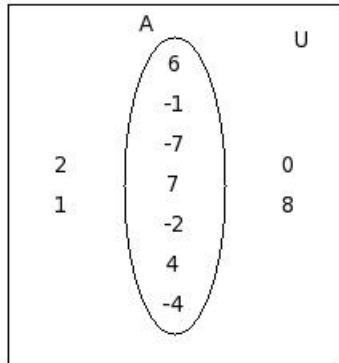
- (i) $\{-1, 3, 1, 4\}$ (ii) $\{2\}$ (iii) $\{4\}$ (iv) $\{\}$ (v) $\{3, 4\}$
-

3. Find μ



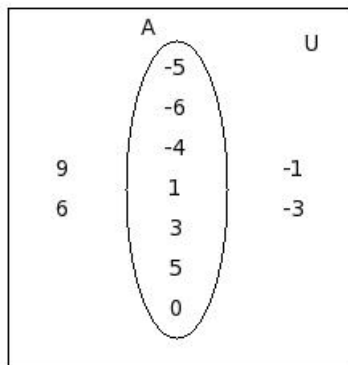
- (i) $\{4, -2, -9, -3, -8, -5, -6\}$ (ii) $\{-6, -7, 5, -13, -5, 1, -3, 0, -2\}$
 (iii) $\{-9, -5, 4, -6, -8, 7, -3, -2\}$ (iv) $\{-3, -2, -5, 5, -6, -13, -7\}$
 (v) $\{\}$
-

4. Find $A \cup A$



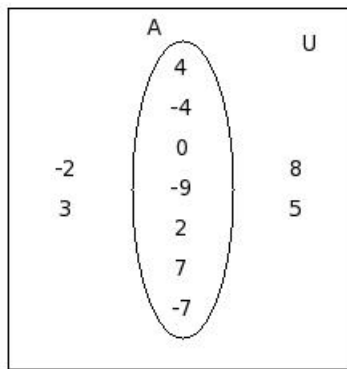
- (i) $\{-2, -1, -4, 5, 6, -7\}$ (ii) $\{-2, -1, -7, -4, 4, 6\}$
 (iii) $\{4, 7, -7, -4, -1, -2, 6\}$ (iv) $\{-7, 2, 6, -4, 0, -2, 1, 5\}$
 (v) $\{1, -7, 6, 0, -4, -2\}$
-

5. Find $A \cup \emptyset$



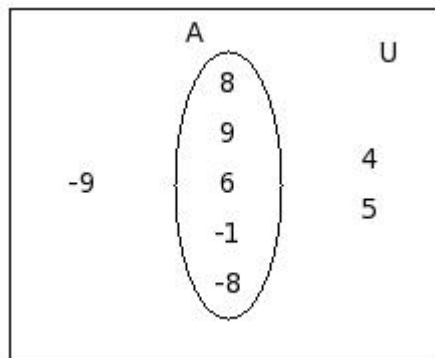
- (i) $\{3, -1, -11, -4, 0, 2\}$ (ii) $\{-6, -4, 0, 1, -5, 3\}$
 (iii) $\{0, 1, -5, -4, 5, 3, -6\}$ (iv) $\{3, -1, 0, -6, -4, 1\}$
 (v) $\{-4, 3, -1, -11, 2, 5, 0, 1\}$
-

6. Find $A \cup \mu$



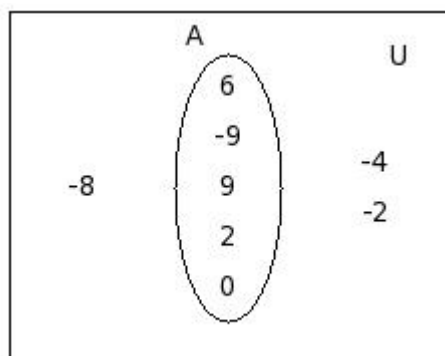
- (i) $\{0, 7, -4, 4, 5, -2, -9, 8, 3, 2, -7\}$
 (ii) $\{1, 7, 4, 2, -7, -9, 8, 3, -4, 5\}$
 (iii) $\{2, -9, 7, 3, 5, -4, -2, 8, 4, -7\}$
 (iv) $\{2, 6, 4, 7, -4, -9, 1, 8, 5, 0, 3, -7\}$
 (v) $\{4, 7, 8, 3, -4, 6, -9, -7, 5, 2\}$

7. Find $A \cap A$



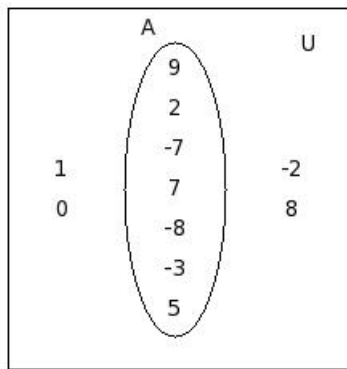
- (i) $\{-6, 6, 9, -1\}$ (ii) $\{-6, 11, 8, -1\}$ (iii) $\{11, 8, -1, 4, 5, -6\}$
 (iv) $\{-1, -8, 9, 8, 6\}$ (v) $\{6, -1, 9, -8\}$

8. Find $A \cap \emptyset$



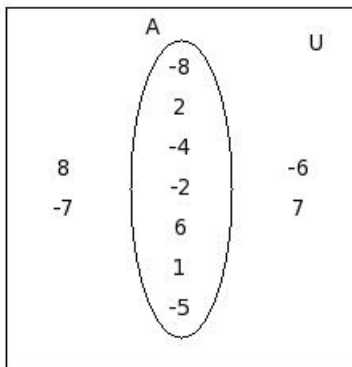
- (i) $\{2, 0\}$ (ii) $\{0\}$ (iii) $\{-1\}$ (iv) $\{\}$ (v) $\{0, -1, 2, 5\}$

9. Find $A \cap \mu$



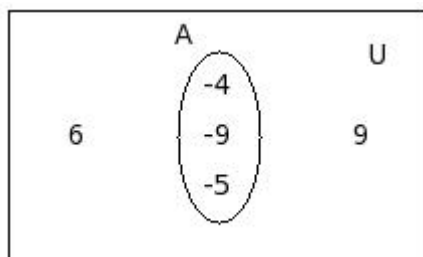
- (i) $\{7, -8, 2, -7, 0, 10, 3, -1\}$ (ii) $\{\}$
 (iii) $\{7, 0, 10, -7, -8, -1\}$ (iv) $\{-7, 5, 9, 2, -8, 7, -3\}$
 (v) $\{-3, -8, 2, -7, 9, 7\}$
-

10. Find A'



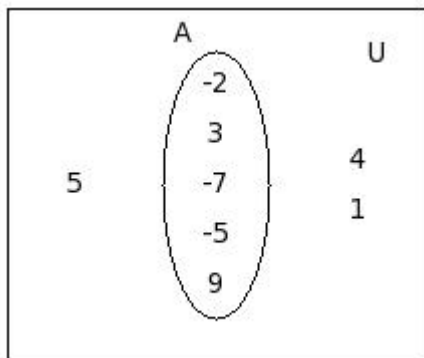
- (i) $\{-6, 7, 8, -7\}$ (ii) $\{7, -8, -11\}$ (iii) $\{7, -6, -7\}$
 (iv) $\{2, 0, -11, 7, -8\}$ (v) $\{-8, 7, -6\}$
-

11. Find $A \cup A'$



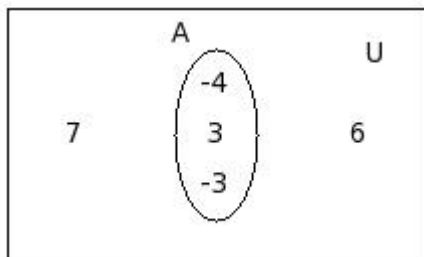
- (i) $\{6, -5, -4, 13\}$ (ii) $\{6, 13, -4, -8\}$ (iii) $\{1, -8, -4, 6, -1, 13\}$
 (iv) $\{-5, 9, -4, 6\}$ (v) $\{-9, 9, -4, -5, 6\}$
-

12. Find $A \cap A'$



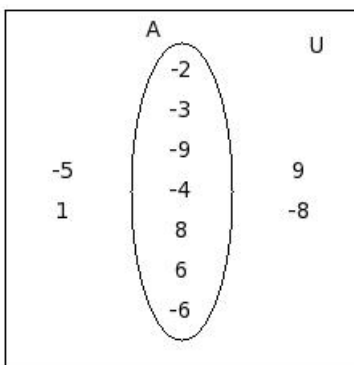
- (i) $\{4\}$ (ii) $\{5\}$ (iii) $\{-1, 0, 5, 1\}$ (iv) $\{\}$ (v) $\{1, 5\}$

13. Find $(A')'$



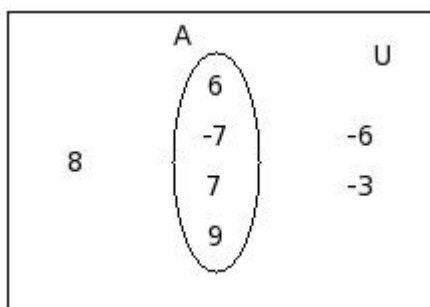
- (i) $\{3, -4, -3\}$ (ii) $\{5, 3, 4, 0\}$ (iii) $\{3, 4\}$ (iv) $\{-4, 5\}$ (v) $\{-4, 3\}$

14. Find $n(A)$



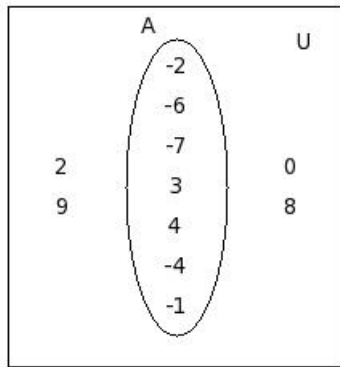
- (i) 8 (ii) 5 (iii) 6 (iv) 7 (v) 9

15. Find $n(\emptyset)$



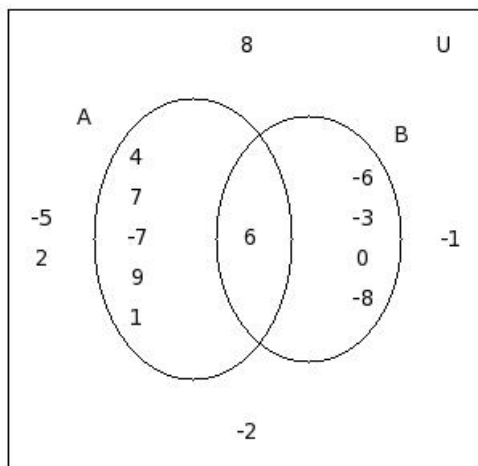
- (i) 2 (ii) 0 (iii) (-2) (iv) (-1) (v) 1

16. Find $n(\mu)$



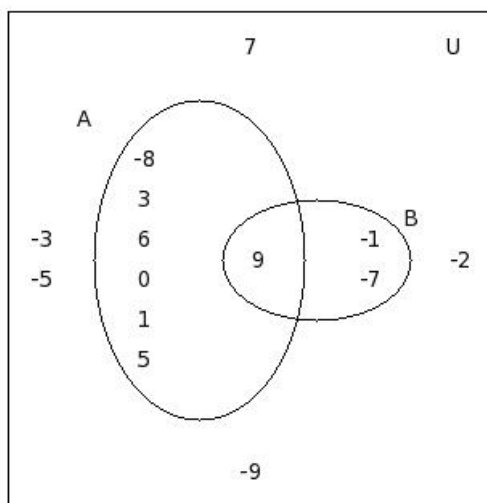
- (i) 11 (ii) 10 (iii) 14 (iv) 12 (v) 8

17. Find A



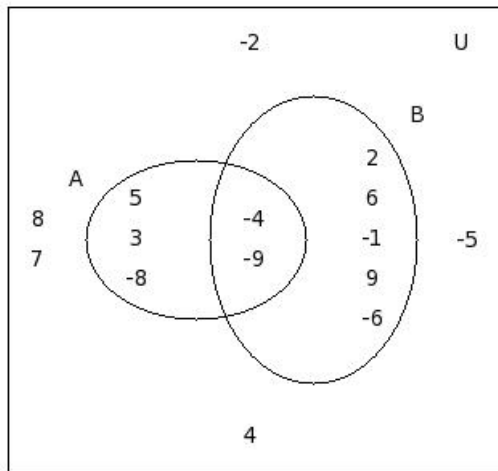
- (i) $\{7, 4, 1, 9, -7\}$ (ii) $\{-7, 9, 4, 1, 7, 6, 2\}$ (iii) $\{7, -7, 9, 1, 6, 4\}$
 (iv) $\{7, 2, 9, 1, -7, 4\}$ (v) $\{\}$

18. Find B



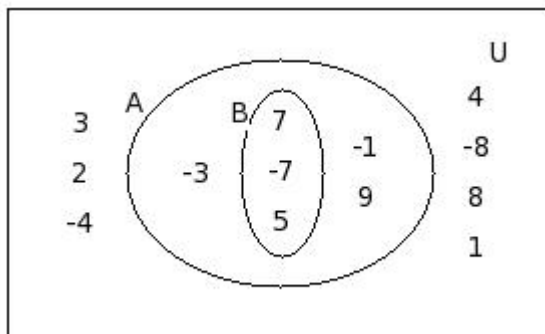
- (i) $\{9, -7, -5\}$ (ii) $\{-7, 7, -1, 9\}$ (iii) $\{-1, -7\}$ (iv) $\{-7, 9\}$ (v) $\{9, -7, -1\}$
-

19. Find $A \cup B$



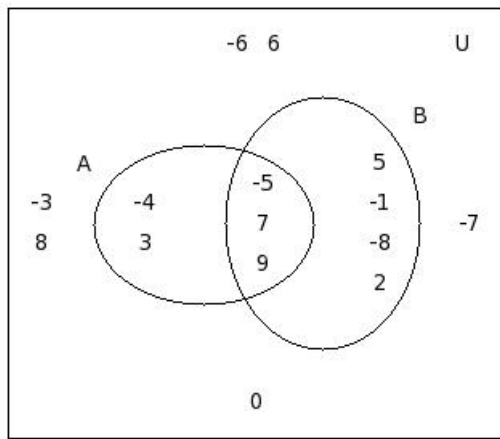
- (i) $\{2, -6, -1, 6, -4, -9, 5, 3, -8, 9\}$ (ii) $\{9, -8, 7, 2, -6, -4, 5, 6, 3, -1, -9\}$
 (iii) $\{-9, 9, -8, -4, -6, 6, 2, 3, -1\}$ (iv) $\{-4, 5, 3, 7, -9, -1, 9, -6, 2, -8\}$
 (v) $\{-8, 3, -4, -6, 6, 2, -9, 5, 9\}$
-

20. Find $A \cap B$



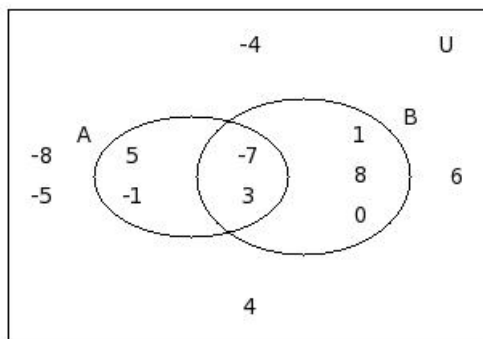
- (i) $\{5, 2, -7\}$ (ii) $\{-7, 5\}$ (iii) $\{-7, 2, 7, 5\}$ (iv) $\{5, 7, -7\}$ (v) $\{7, -7\}$
-

21. Find $A - B$



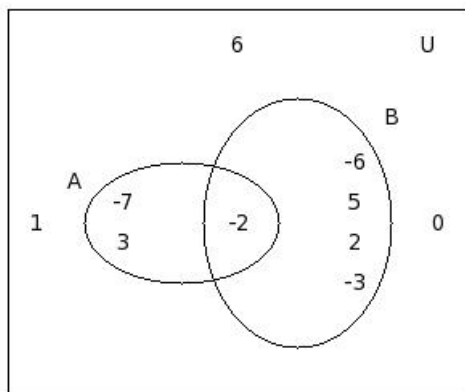
- (i) $\{3,0\}$ (ii) $\{3\}$ (iii) $\{-6,3,-4\}$ (iv) $\{-4,3\}$ (v) $\{\}$

22. Find $B - A$



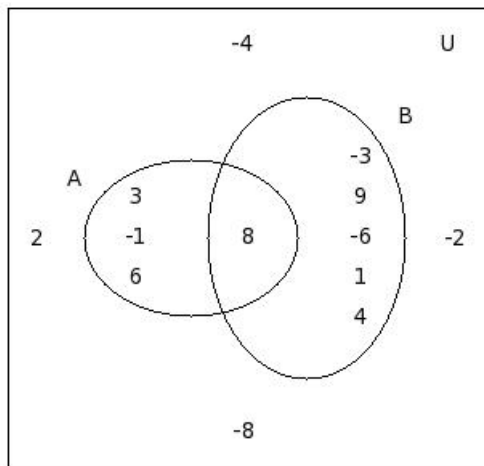
- (i) $\{1,8,-5\}$ (ii) $\{\}$ (iii) $\{1,8,0\}$ (iv) $\{0,8\}$ (v) $\{4,1,0,8\}$

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



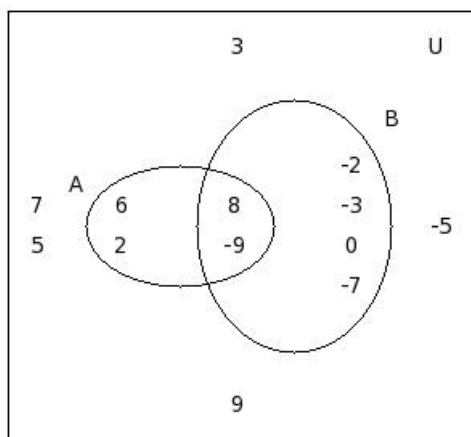
- (i) $\{-6,5,-7,-3,2\}$ (ii) $\{6,-3,-6,5,3,2\}$ (iii) $\{3,5,-6,-7,-3,2\}$
 (iv) $\{5,3,-7,2,-6\}$ (v) $\{5,6,3,-3,-6,-7,2\}$

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



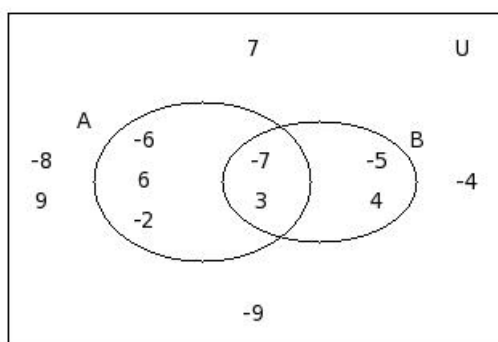
- (i) {9,3,-6,1,-1,4,-3} (ii) {4,6,9,-1,1,-6,3,-3}
 (iii) {3,4,1,6,9,-1,-2,-6} (iv) {-3,3,-1,-6,4,1,6}
 (v) {9,-6,-1,4,-2,-3,3,1,6}

25. Find A'



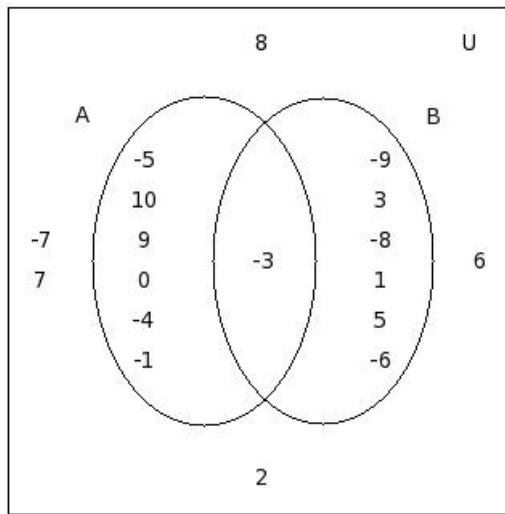
- (i) {5,3,9,7,-7,-3,0,-2,-5} (ii) {0,5,3,-7,-3,-5,-2,7}
 (iii) {} (iv) {5,7,9,-7,-2,-3,3,-5}

26. Find B'



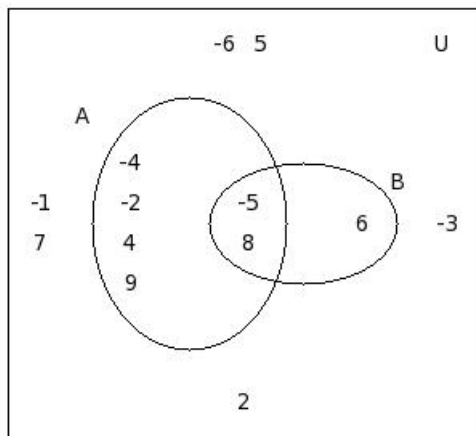
- (i) $\{\}$ (ii) $\{-8, 6, -2, -6, -9, -4, 9, 7\}$
 (iii) $\{-2, -6, -9, -4, 9, -8, 7\}$
-

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



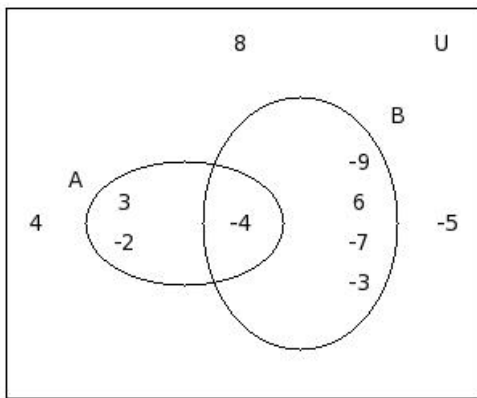
- (i) $\{\}$ (ii) $\{-7, 6, 7, 2\}$ (iii) $\{2, 7, -7, 8, 6\}$
-

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



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

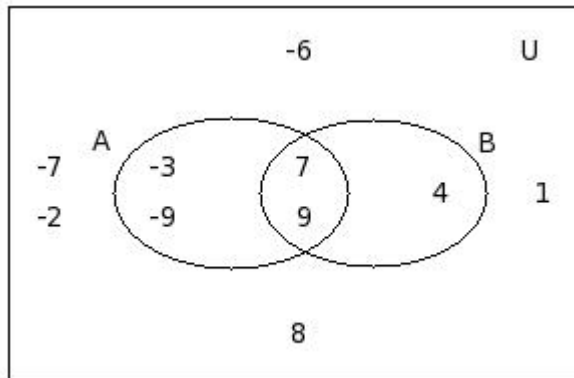
29. Find $(A - B)'$



(i) $\{-7, 8, 4, -9, -3, 6, -5\}$ (ii) $\{\}$

(iii) $\{-7, -5, 6, 4, 8, -3, -9, -4\}$

30. Find $(B - A)'$

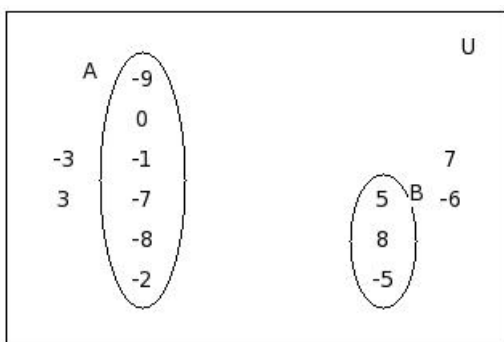


(i) $\{\}$ (ii) $\{-2, 1, 7, -6, -7, 8, -3, 9\}$

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

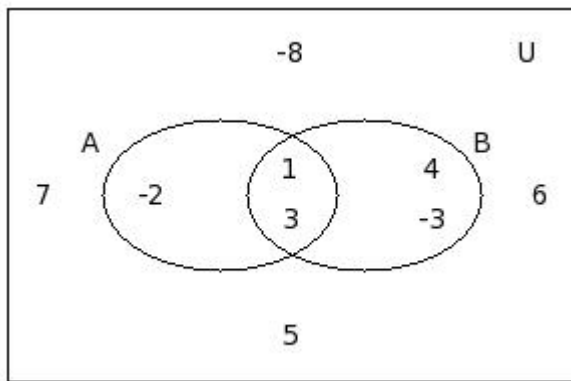
(v) $\{9, -6, 1, -3, 8, -9, -7, -2, 7\}$

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



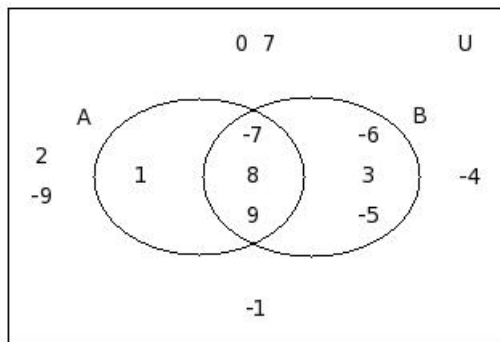
(i) $\{-3, 7, 3, -6\}$ (ii) $\{\}$

32. Find $A' \cup B'$



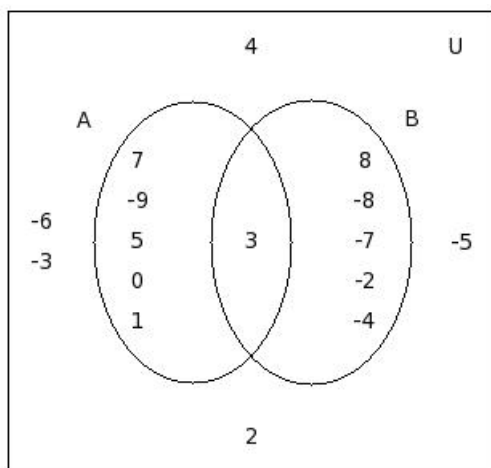
- (i) $\{-3, 7, 6, -2, 4, 5, -8\}$ (ii) $\{5, 4, -8, 6, 7, -3\}$
 (iii) $\{4, 6, -2, -8, 5, 7\}$ (iv) $\{\}$

33. Find $A' \cap B'$



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

34. Find $B' \cap A'$



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

Assignment Key

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