

EduSahara™ Learning Center Assignment

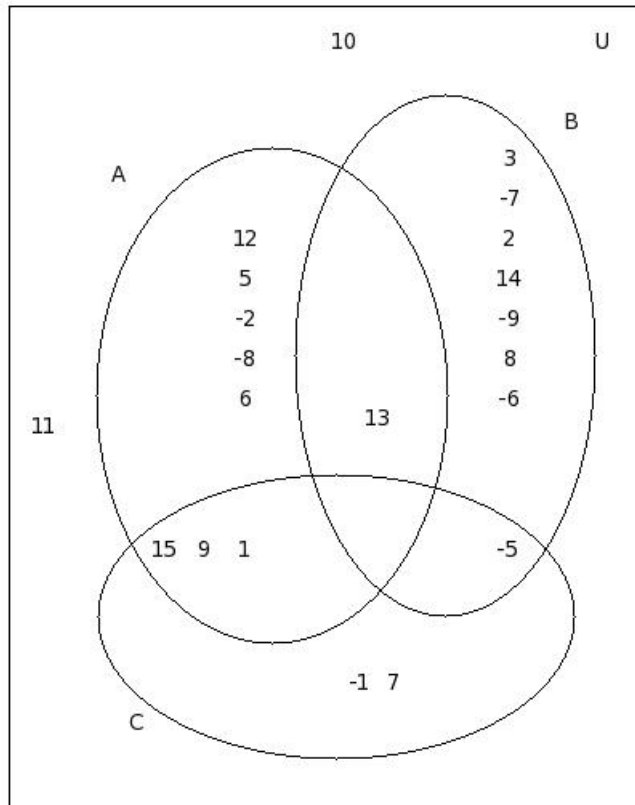
Grade : Class VIII, ICSE

Chapter : Venn Diagrams

Name : Three Set Operations Using Venn Diagrams

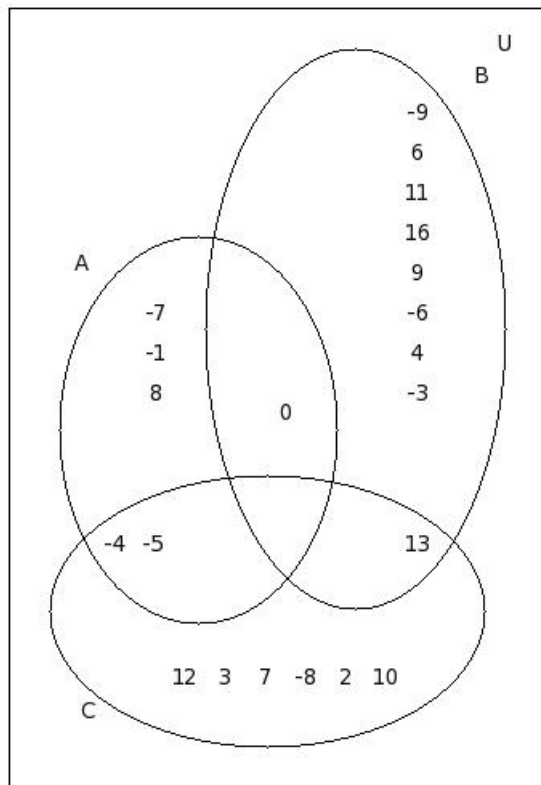
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1. Find A



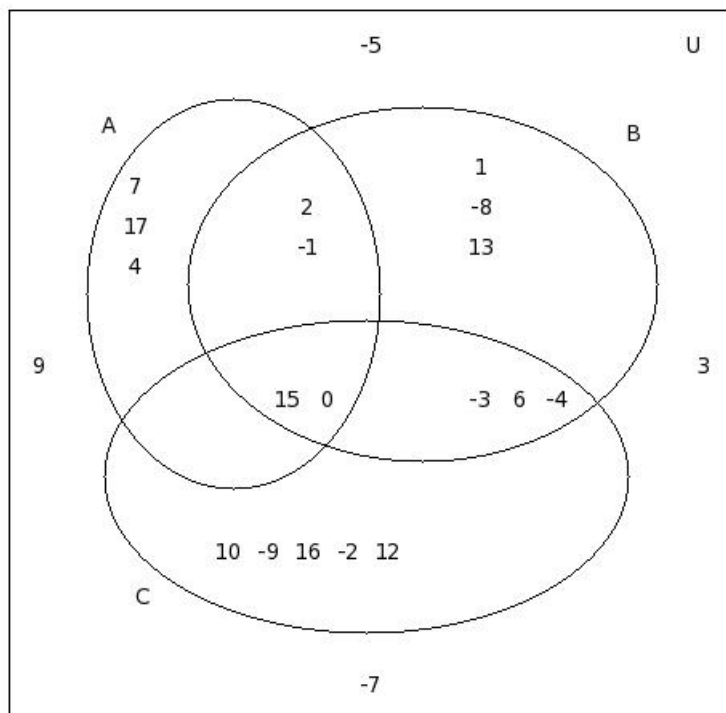
- (i) {6,13,15,12,-8,5,1,-2,9} (ii) {6,13,15,12,-8,5,1,9,3}
- (iii) {6,13,15,12,-8,5,1,-2,9,-6} (iv) {6,13,15,12,-8,5,-2,9}
- (v) {6,13,12,-8,5,1,-2,9,-6}

2. Find B



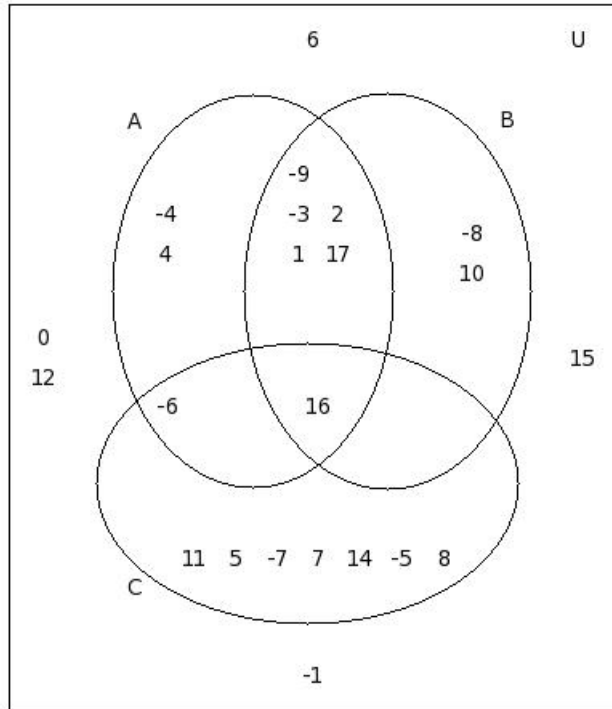
- (i) $\{-6, -3, 9, 11, 0, -9, 4, 13, 6, 16\}$ (ii) $\{-6, -3, 9, 11, 0, -9, 4, 13, 6, 16, -7\}$
 (iii) $\{-6, 9, 11, 0, -9, 4, 13, 6, 16, -7\}$ (iv) $\{-3, 9, 11, 0, -9, 4, 13, 6, 16\}$
 (v) $\{-6, -3, 11, 0, -9, 4, 13, 6, 16, 12\}$

3. Find C



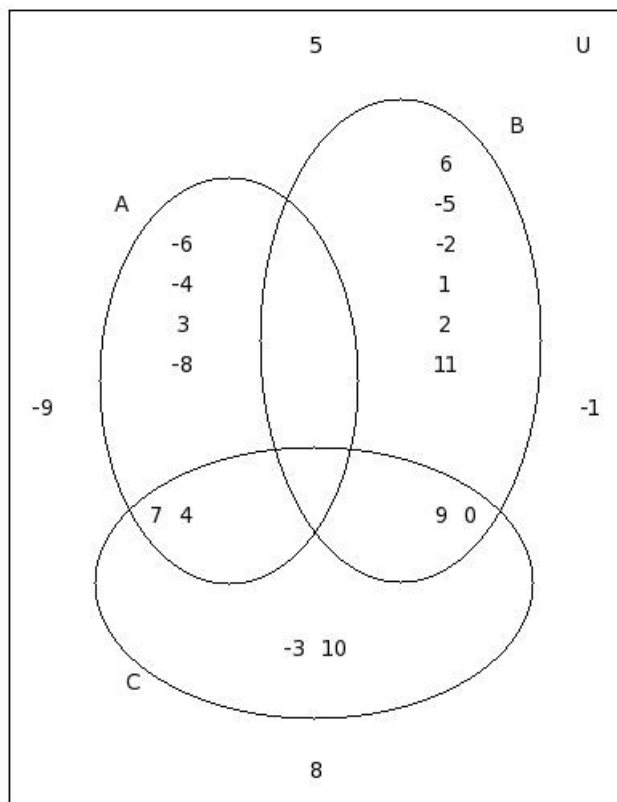
- (i) $\{-4, 16, -2, 0, -9, 15, 10, 6, 12\}$ (ii) $\{-4, 16, -2, 0, 15, 10, 6, 12, -3, 4\}$
 (iii) $\{-4, 16, -2, 0, -9, 15, 10, 6, 12, -3\}$ (iv) $\{-4, 16, -2, 0, -9, 15, 10, 6, 12, -3, 1\}$
 (v) $\{16, -2, 0, -9, 15, 10, 6, 12, -3, 1\}$
-

4. Find $A \cup B$



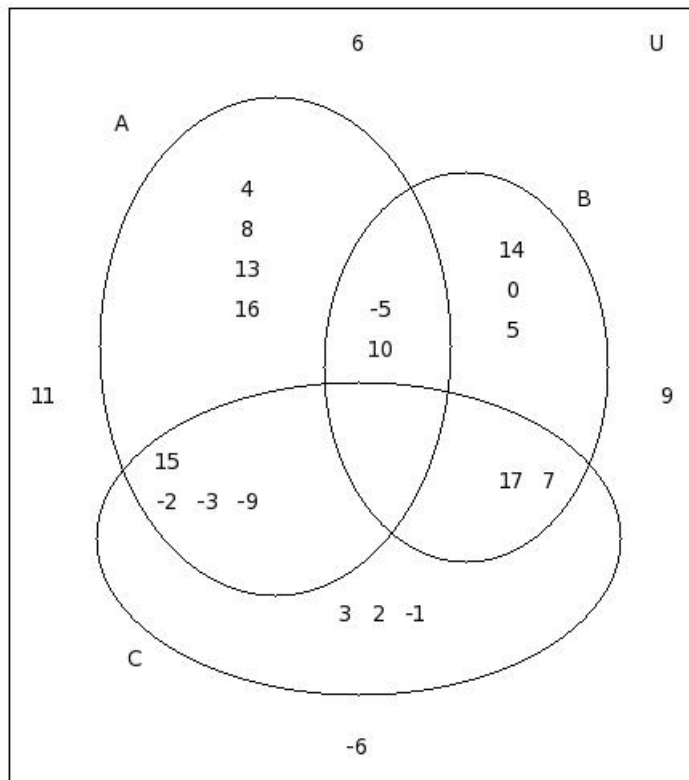
- (i) $\{2, -8, -4, 1, -9, 17, 16, 10, 4, -3\}$
 (ii) $\{2, -6, -8, -4, 1, -9, 17, 16, 10, 4, -3, 8\}$
 (iii) $\{2, -6, -8, -4, 1, -9, 17, 16, 10, -3, -5\}$
 (iv) $\{2, -6, -8, -4, 1, -9, 17, 16, 10, 4, -3\}$
 (v) $\{2, -6, -8, -4, 1, -9, 16, 10, 4, -3, 8\}$
-

5. Find $B \cup C$



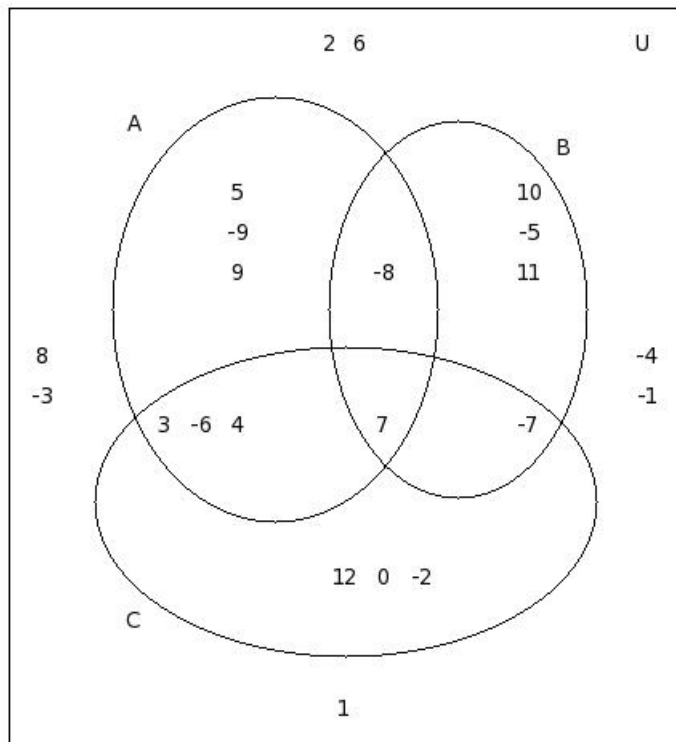
- (i) $\{1, -2, 9, 10, 6, -5, 4, 0, 7, 11, -3, 2, -4\}$
- (ii) $\{1, -2, 10, 6, -5, 4, 0, 7, 11, -3, 2, -4\}$
- (iii) $\{1, 9, 10, 6, -5, 4, 0, 7, 11, -3, 2, -1\}$
- (iv) $\{1, -2, 9, 10, 6, -5, 4, 7, 11, -3, 2\}$
- (v) $\{1, -2, 9, 10, 6, -5, 4, 0, 7, 11, -3, 2\}$

6. Find $C \cup A$



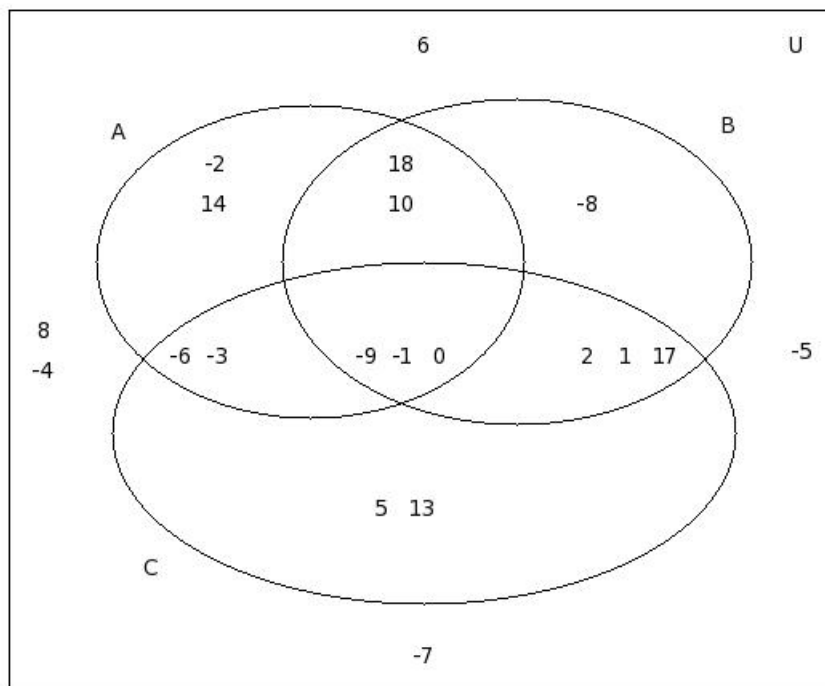
- (i) $\{16, 8, 3, -2, 10, 15, 7, -9, -5, -3, 13, -1, 2, 4\}$
- (ii) $\{16, 8, 3, -2, 10, 15, 7, -9, -3, 17, 13, -1, 2, 4, -6\}$
- (iii) $\{16, 8, 3, -2, 10, 15, 7, -9, -5, -3, 17, 13, -1, 2, 4\}$
- (iv) $\{8, 3, -2, 10, 15, 7, -9, -5, -3, 17, 13, -1, 2, 4, 9\}$
- (v) $\{16, 8, 3, -2, 10, 15, 7, -9, -5, -3, 17, 13, -1, 2, 4, -6\}$

7. Find $A \cup B \cup C$



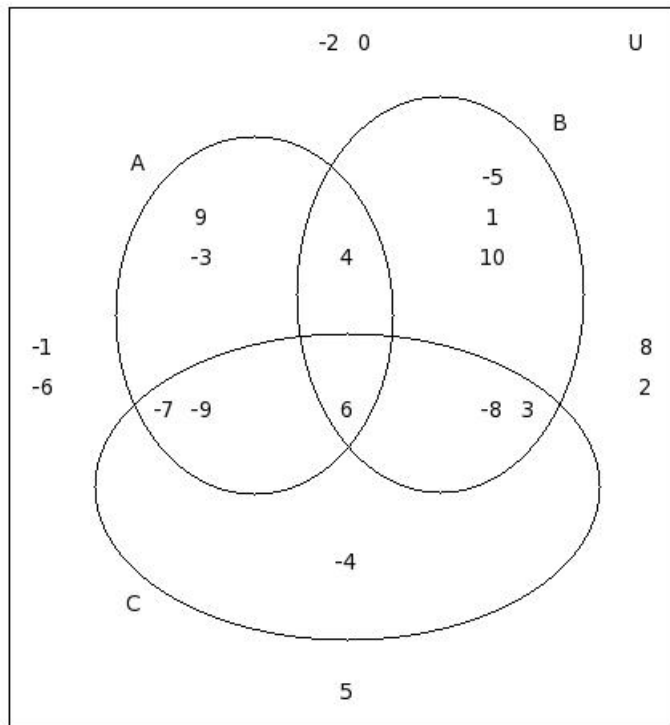
- (i) {7,-8,-7,-9,5,-2,9,3,10,-6,12,-5,4,11,-4}
- (ii) {7,-8,-7,-9,5,-2,9,3,10,0,-6,12,-5,4,11,2}
- (iii) {7,-8,-7,-9,5,-2,9,3,10,0,-6,12,-5,4,11}
- (iv) {7,-8,-7,-9,-2,9,3,10,0,-6,12,-5,4,11}
- (v) {7,-8,-9,5,-2,9,3,10,0,-6,12,-5,4,11,2}

8. Find $A \cap B$



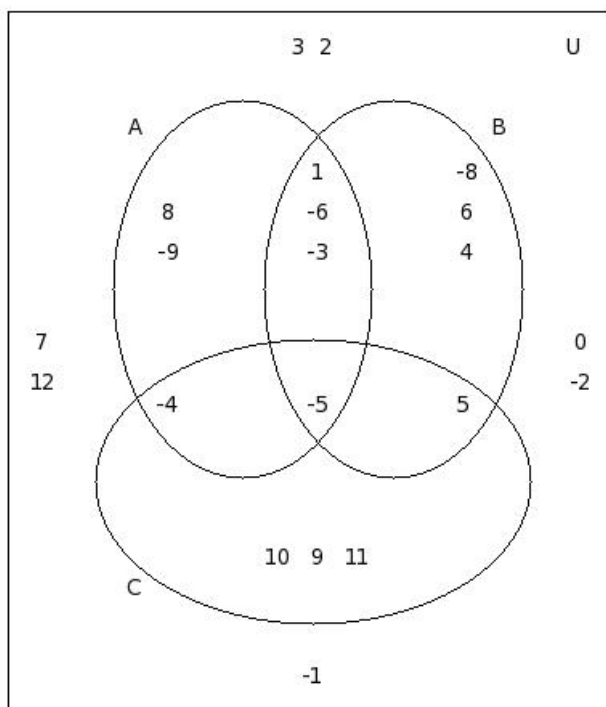
- (i) $\{0, 18, -9, -1, 10, 5\}$ (ii) $\{0, 18, -9, 10\}$ (iii) $\{18, -9, -1, 10, 5\}$
 (iv) $\{18, -9, -1, 10, -3\}$ (v) $\{0, 18, -9, -1, 10\}$

9. Find $B \cap C$



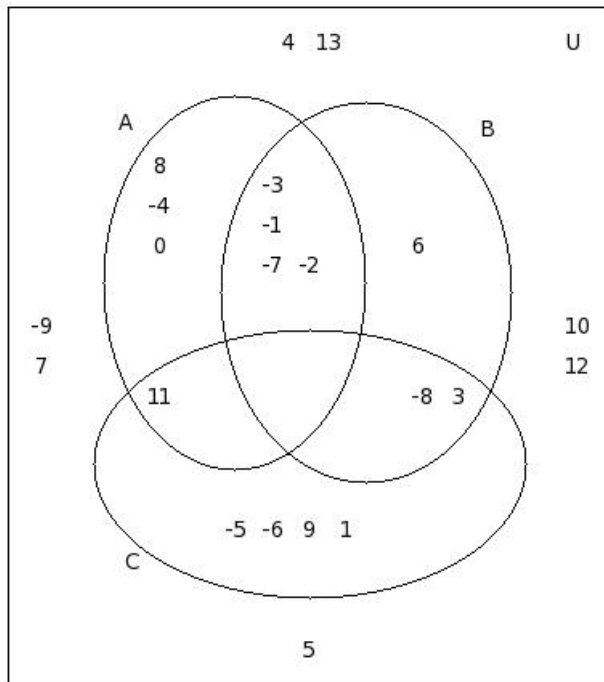
- (i) $\{6, -8, 9\}$ (ii) $\{6, -8, 3\}$ (iii) $\{6, -8, 3, 9\}$ (iv) $\{6, 3\}$ (v) $\{-8, 3, -3\}$

10. Find $C \cap A$



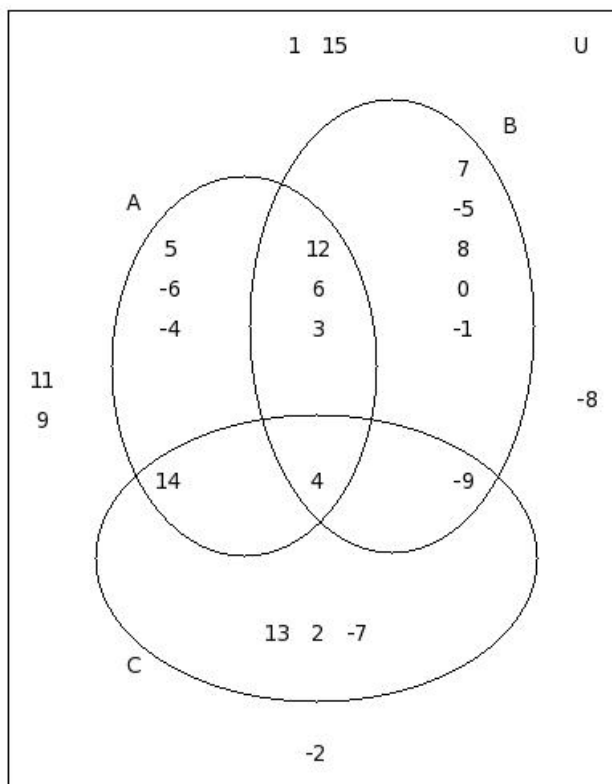
- (i) $\{-5, -4\}$ (ii) $\{-5, 7\}$ (iii) $\{-4, -3\}$ (iv) $\{-4\}$ (v) $\{-5, -4, -3\}$

11. Find $A \cap B \cap C$



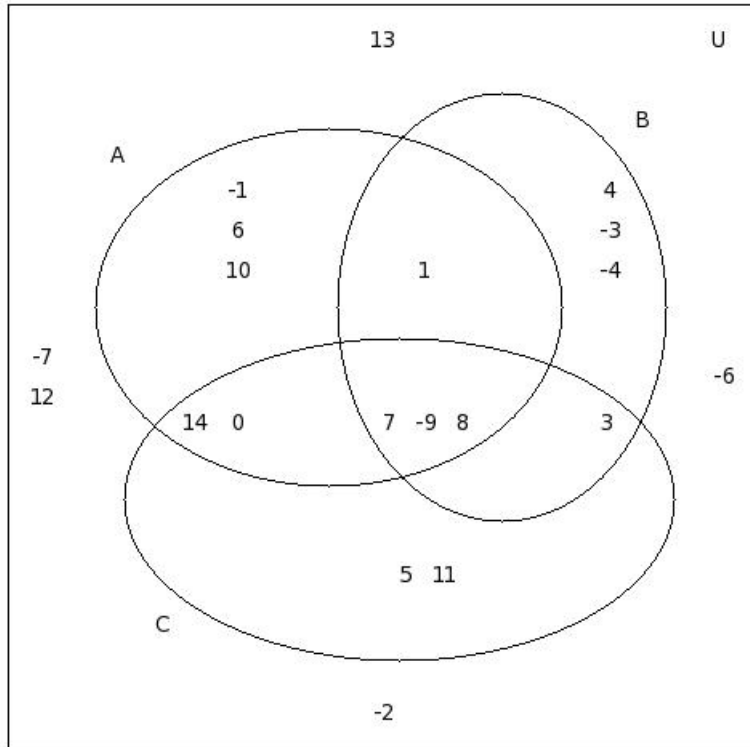
- (i) $\{12\}$ (ii) $\{5\}$ (iii) $\{\}$

12. Find $A \cup (B \cap C)$



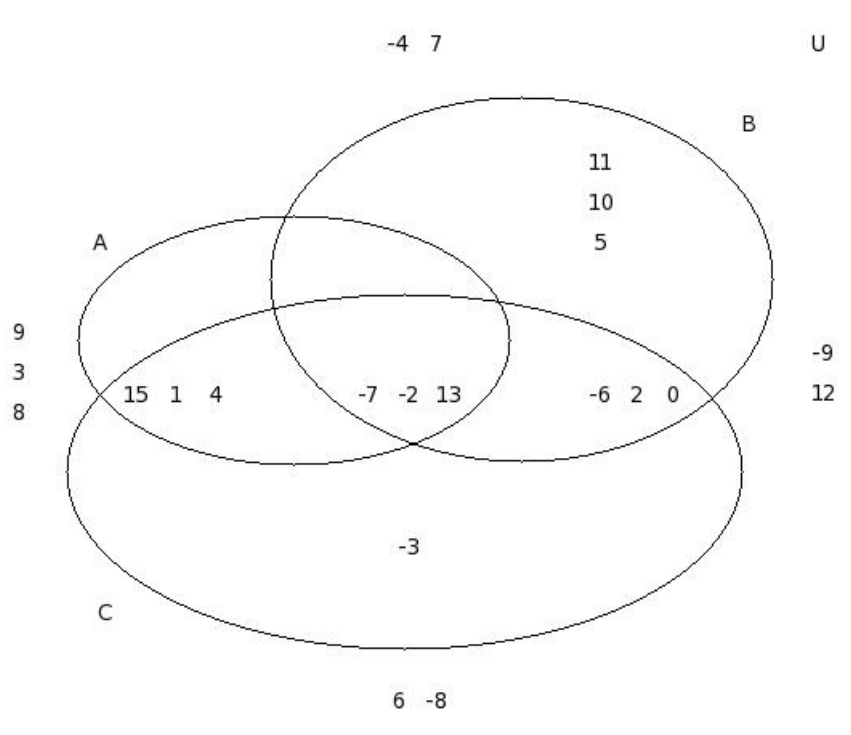
- (i) $\{4, -6, 3, 14, 6, 12, -9, -4, 5\}$ (ii) $\{4, -6, 3, 14, 6, 12, -9, -4, 5, 15\}$
 (iii) $\{4, 3, 14, 6, 12, -9, -4, 5, -5\}$ (iv) $\{4, 3, 14, 6, 12, -9, -4, 5, 15\}$
 (v) $\{4, -6, 3, 14, 6, -9, -4, 5\}$
-

13. Find $B \cup (C \cap A)$



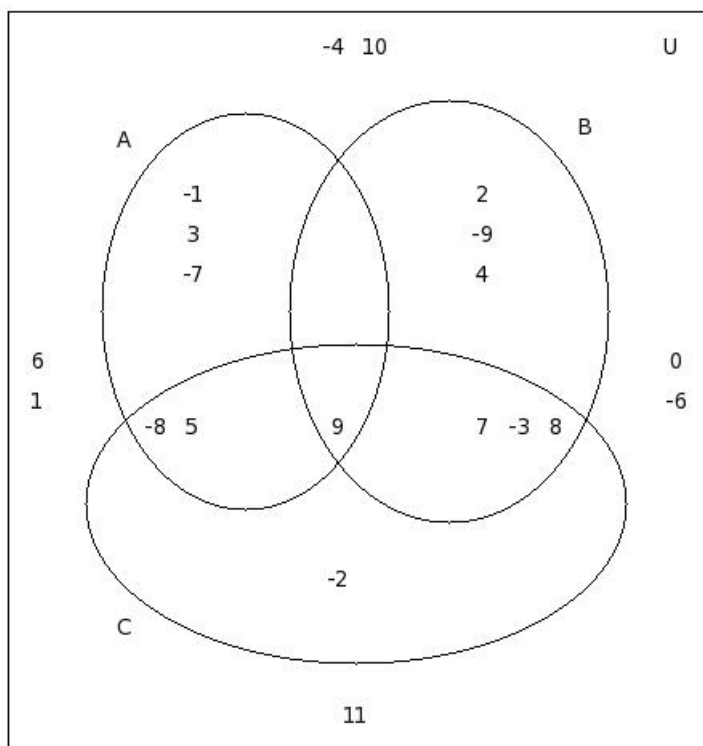
- (i) $\{14, 8, 0, -9, 4, 7, 1, -3, 3, 12\}$ (ii) $\{-4, 14, 8, -9, 4, 7, 1, -3, 3, 11\}$
 (iii) $\{-4, 14, 0, -9, 4, 7, 1, -3, 3\}$ (iv) $\{-4, 14, 8, 0, -9, 4, 7, 1, -3, 3, 11\}$
 (v) $\{-4, 14, 8, 0, -9, 4, 7, 1, -3, 3\}$
-

14. Find $C \cup (A \cap B)$



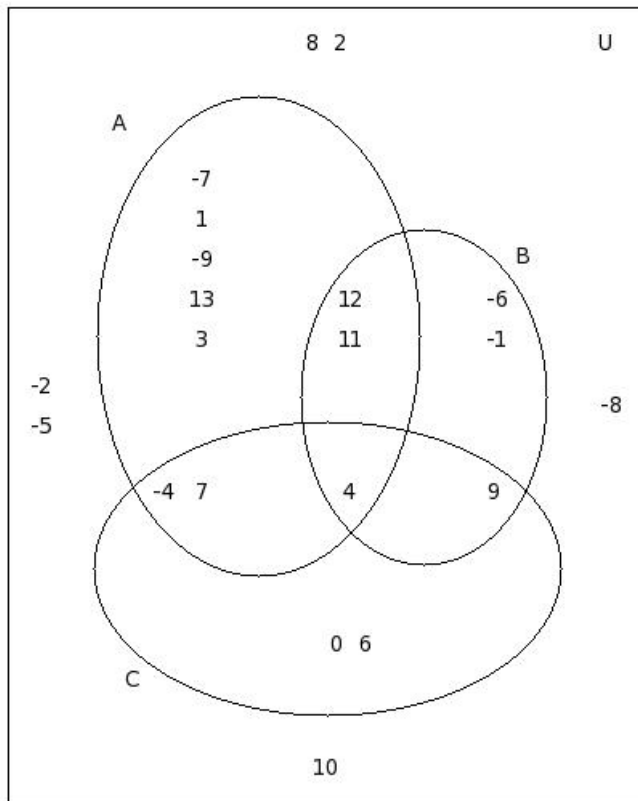
- (i) $\{2, 0, -6, 13, 4, -7, -2, 1, -3, -8\}$ (ii) $\{2, 0, 15, -6, 13, 4, -7, -2, 1, -3\}$
 (iii) $\{2, 0, 15, -6, 4, -7, -2, 1, -3, 12\}$ (iv) $\{2, 0, 15, -6, 13, 4, -7, -2, 1, -3, 12\}$
 (v) $\{2, 0, -6, 13, 4, -7, -2, 1, -3\}$

15. Find $A \cap (B \cup C)$



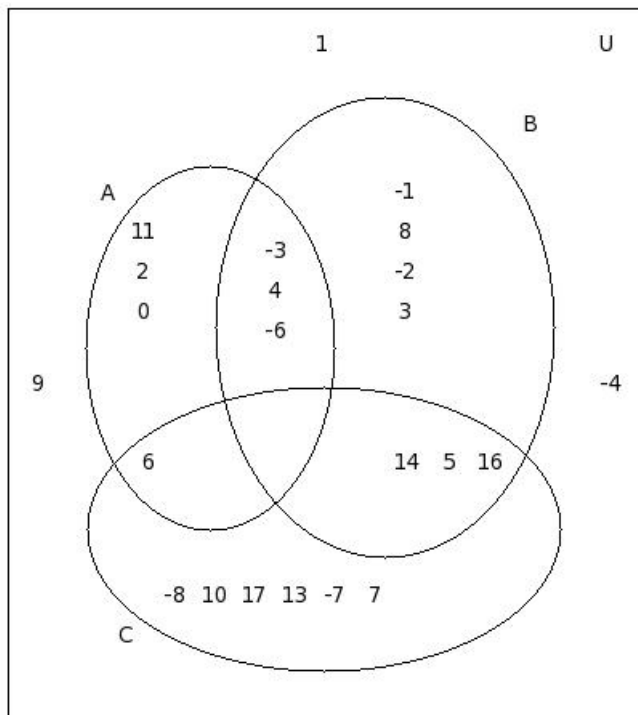
- (i) $\{5, -8, 6\}$ (ii) $\{9, 5, -8, 6\}$ (iii) $\{9, 5, 4\}$ (iv) $\{9, 5\}$ (v) $\{9, 5, -8\}$

16. Find $B \cap (C \cup A)$



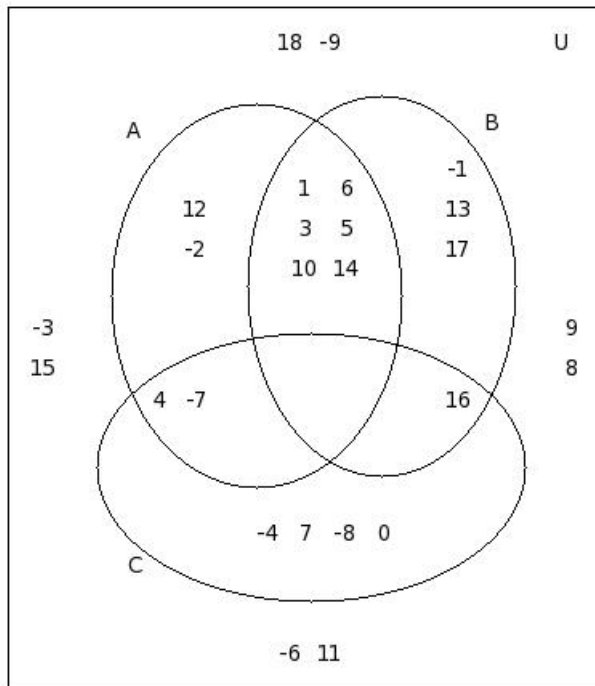
- (i) {12,11,4} (ii) {12,9,11,4} (iii) {12,9,11,13}
 (iv) {12,9,11,4,13} (v) {12,9,11,-2}

17. Find $A - (B \cup C)$



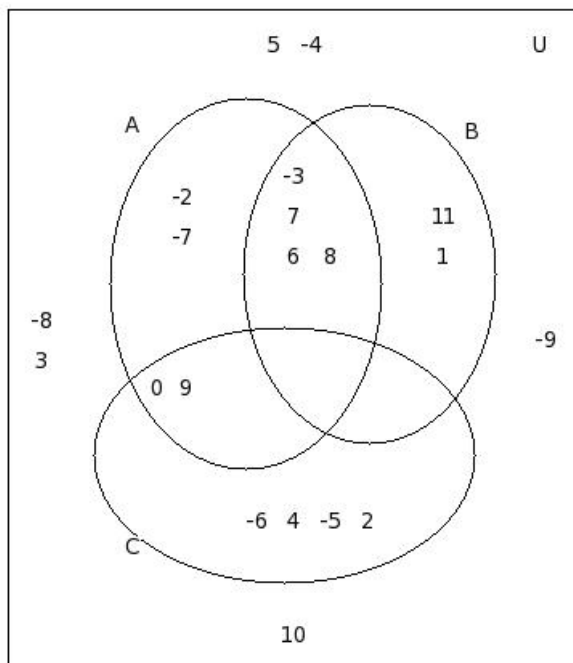
- (i) $\{2,0,1\}$ (ii) $\{11,0,-8\}$ (iii) $\{2,0\}$ (iv) $\{11,2,0\}$ (v) $\{11,2,0,1\}$

18. Find $B - (C \cup A)$



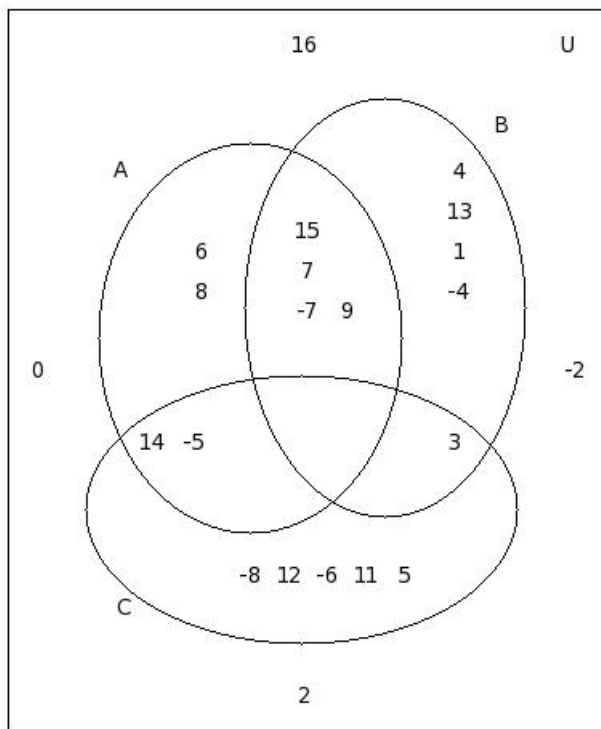
- (i) $\{-1,13\}$ (ii) $\{-1,17,9\}$ (iii) $\{-1,13,17,-8\}$ (iv) $\{-1,13,17\}$ (v) $\{-1,17,-8\}$

19. Find $A - (B \cap C)$



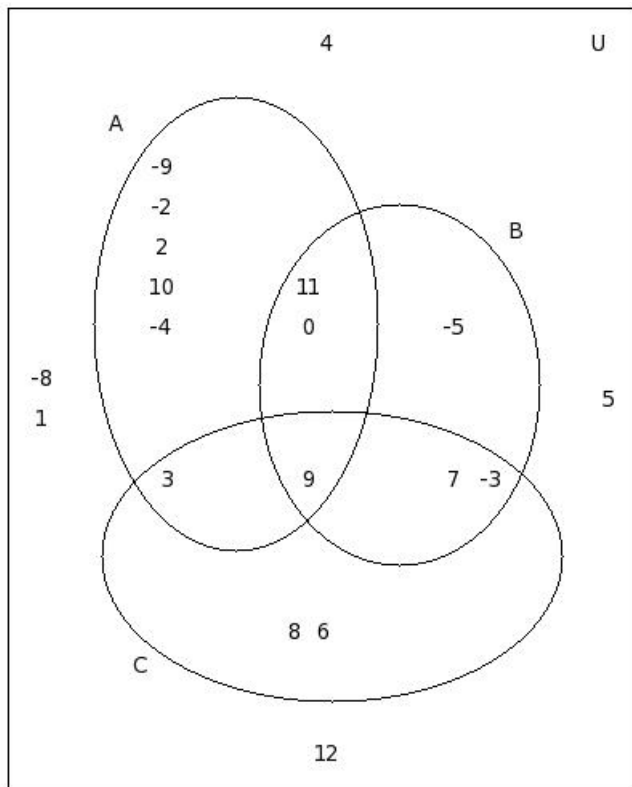
- (i) $\{6,-2,-3,0,7,8,-7,3\}$ (ii) $\{6,-2,-3,0,7,8,-7,2\}$
 (iii) $\{6,9,-2,-3,0,7,8,-7\}$ (iv) $\{6,9,-2,-3,0,7,-7\}$
 (v) $\{6,9,-2,-3,0,7,8,-7,3\}$

20. Find $B - (C \cap A)$



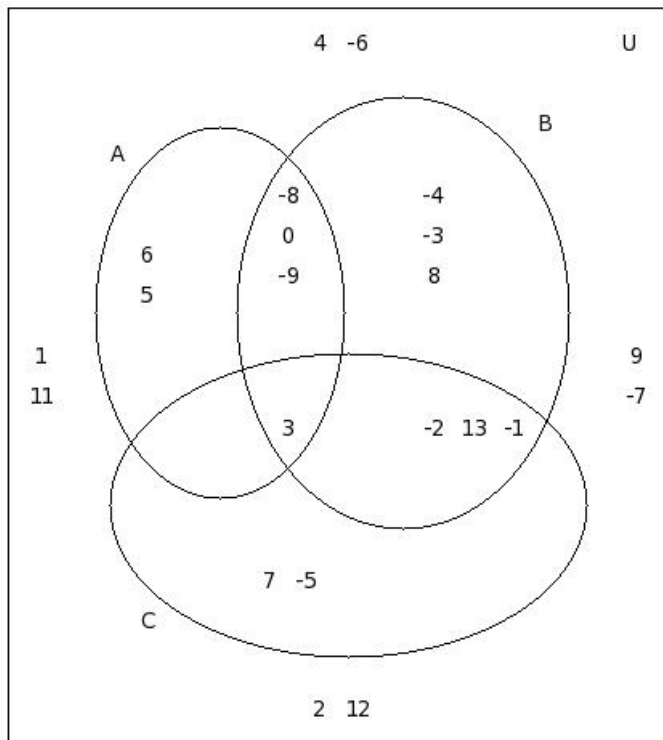
- (i) $\{-7, 3, 4, 1, -4, 9, 7, 15\}$ (ii) $\{-7, 3, 4, 13, 1, -4, 9, 15, 11\}$
 (iii) $\{-7, 3, 4, 13, 1, -4, 7, 15, 16\}$ (iv) $\{-7, 3, 4, 13, 1, -4, 9, 7, 15\}$
 (v) $\{-7, 3, 4, 13, 1, -4, 9, 7, 15, 11\}$

21. Find $A - (A \cap (B \cap C))$



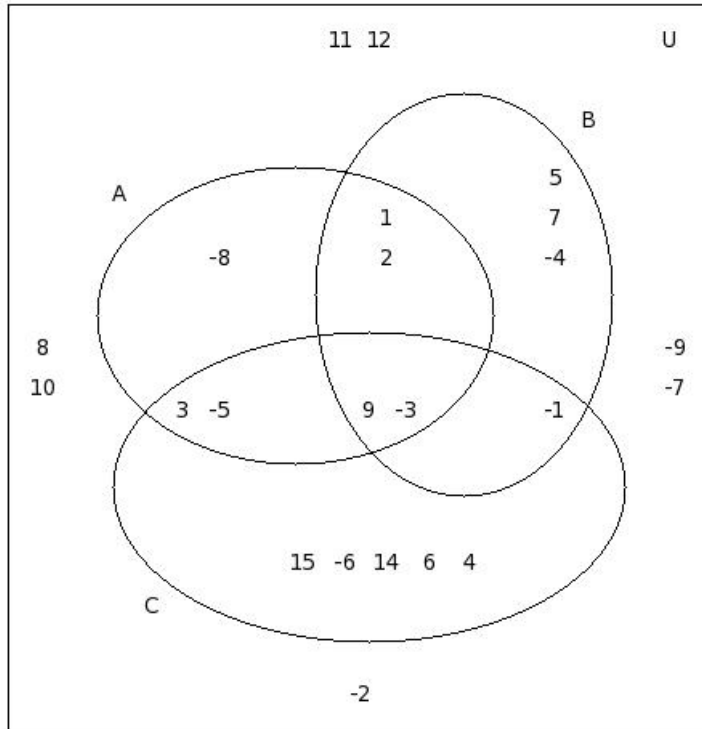
- (i) $\{10, 0, -9, 3, -2, 11, -4, 8\}$ (ii) $\{10, 0, 2, -9, 3, 11, -4, 6\}$
 (iii) $\{10, 0, -9, 3, -2, 11, -4\}$ (iv) $\{10, 0, 2, -9, 3, -2, 11, -4\}$
 (v) $\{10, 0, 2, -9, 3, -2, 11, -4, 6\}$

22. Find $B - (A \cap (B \cap C))$



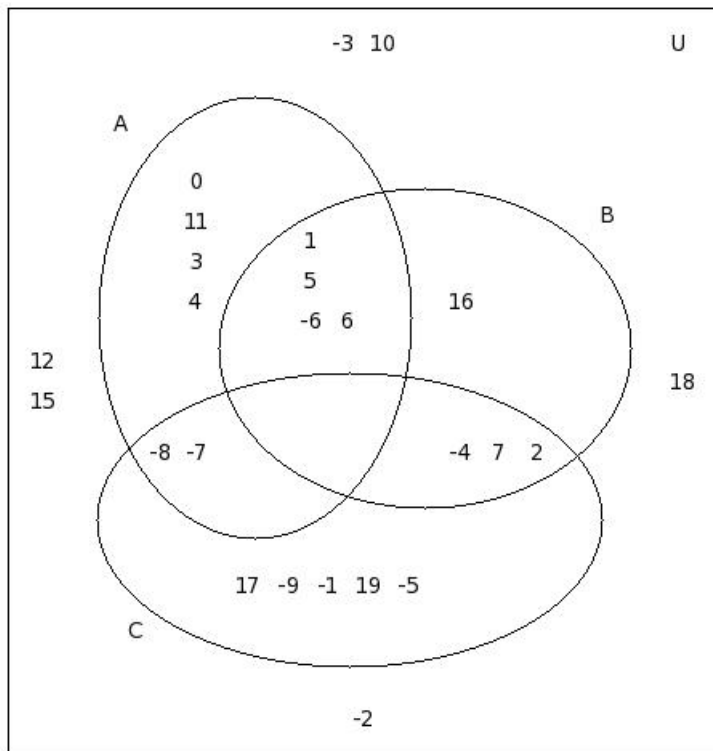
- (i) $\{0, -9, -4, -3, 13, -8, -2, 8, 2\}$ (ii) $\{0, -9, -4, -1, 13, -8, -2, 8, 6\}$
 (iii) $\{-9, -4, -1, -3, 13, -8, -2, 8\}$ (iv) $\{0, -9, -4, -1, -3, 13, -8, -2, 8, 2\}$
 (v) $\{0, -9, -4, -1, -3, 13, -8, -2, 8\}$

23. Find $C - (A \cap (B \cap C))$



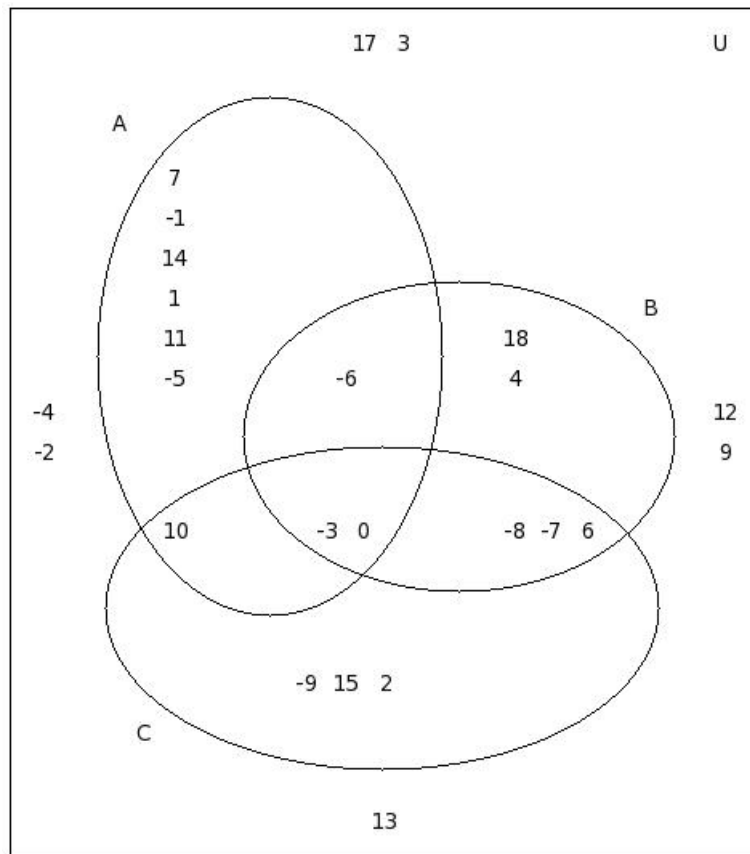
- (i) $\{14, 4, -6, -5, 6, 3, -1\}$ (ii) $\{14, 4, 15, -5, 6, 3, -1, 1\}$
 (iii) $\{14, 4, -6, -5, 6, 3, -1, 5\}$ (iv) $\{14, 4, 15, -6, -5, 6, 3, -1\}$
 (v) $\{14, 4, 15, -6, -5, 6, 3, -1, 5\}$

24. Find A'



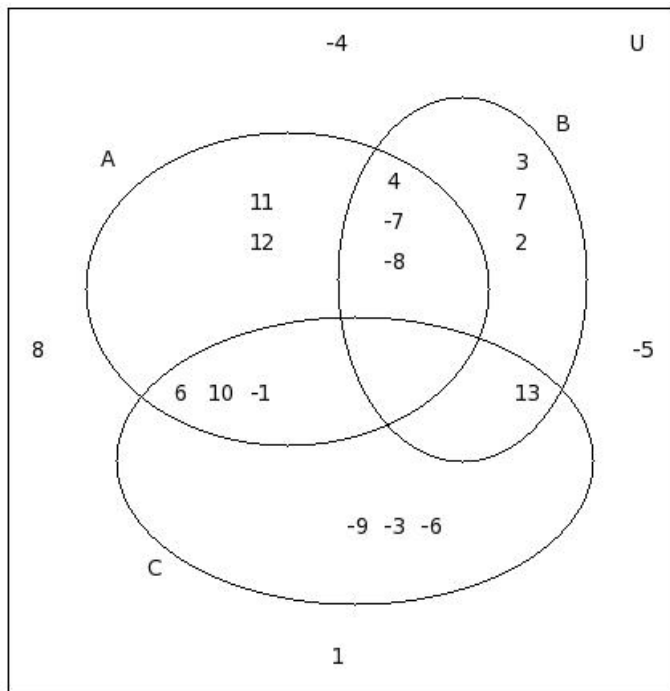
- (i) {15,16,10,7,19,-2,-1,17,18,-5,12,2,-9,-3,-4}
- (ii) {15,16,10,7,19,-1,17,18,-5,12,2,-9,-3,-4,11}
- (iii) {15,16,7,19,-2,-1,17,18,-5,12,2,-9,-3,-4,3}
- (iv) {15,16,10,7,19,-2,-1,17,18,12,2,-9,-3,-4}
- (v) {15,16,10,7,19,-2,-1,17,18,-5,12,2,-9,-3,-4,3}

25. Find B'



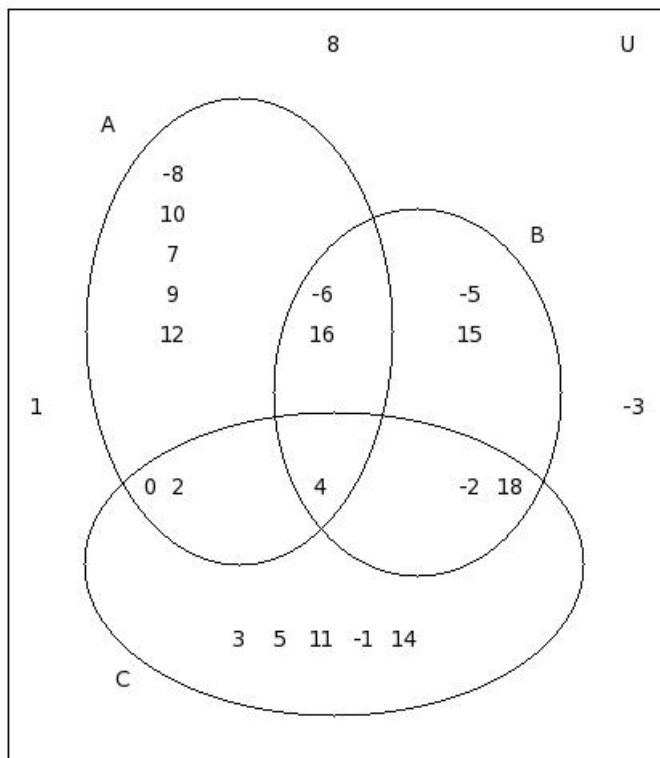
- (i) $\{-4, 10, 17, 1, 2, 9, -2, -9, 12, 14, 3, 7, -1, -5, 11, 15\}$
 (ii) $\{-4, 10, 17, 1, 2, 9, -2, -9, 12, 14, 3, 7, -1, 13, -5, 11, 15\}$
 (iii) $\{-4, 10, 17, 1, 2, 9, -2, -9, 12, 14, 7, -1, 13, -5, 11, 15, 6\}$
 (iv) $\{-4, 10, 17, 1, 2, 9, -2, -9, 12, 14, 3, 7, -1, 13, -5, 11, 15, -8\}$
 (v) $\{-4, 10, 17, 1, 2, 9, -2, -9, 12, 14, 3, 7, 13, -5, 11, 15, -8\}$

26. Find C'



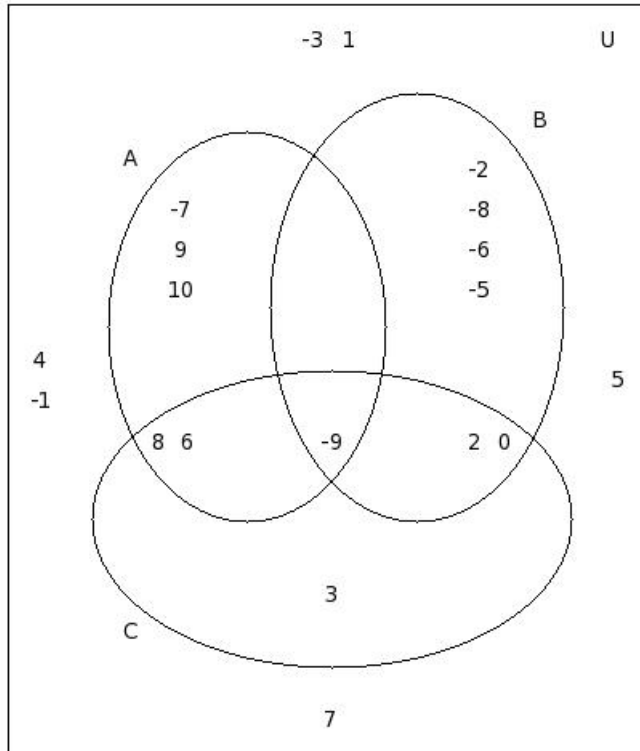
- (i) $\{-7, 7, -5, 2, 3, 8, 4, 12, 11, -4, 1\}$
 (ii) $\{-7, 7, -5, 2, 3, -8, 8, 4, 12, 11, -4, 1, 6\}$
 (iii) $\{-7, 7, -5, 2, 3, -8, 8, 4, 11, -4, 1, 6\}$
 (iv) $\{-7, 7, -5, 2, 3, -8, 8, 4, 12, 11, -4, 1\}$
 (v) $\{-7, 7, -5, 2, 3, -8, 8, 4, 11, -4, 1, -9\}$

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



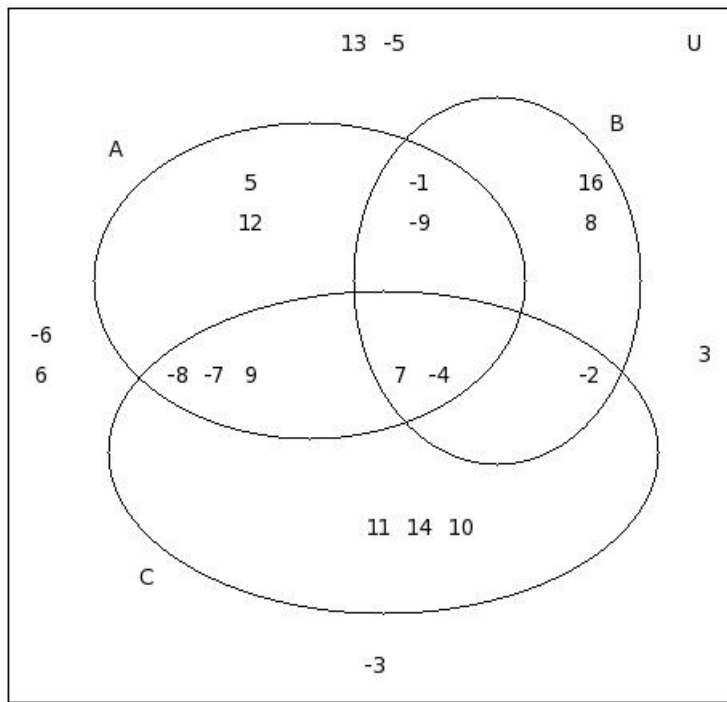
- (i) $\{3, -3, 1, 11, 5, -1, 8, 18\}$ (ii) $\{3, -3, 1, 11, 5, 14, -1, 8\}$
 (iii) $\{3, -3, 1, 11, 5, 14, -1, 8, 16\}$ (iv) $\{3, -3, 1, 11, 5, 14, 8, 16\}$
 (v) $\{3, -3, 1, 11, 14, -1, 8\}$

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



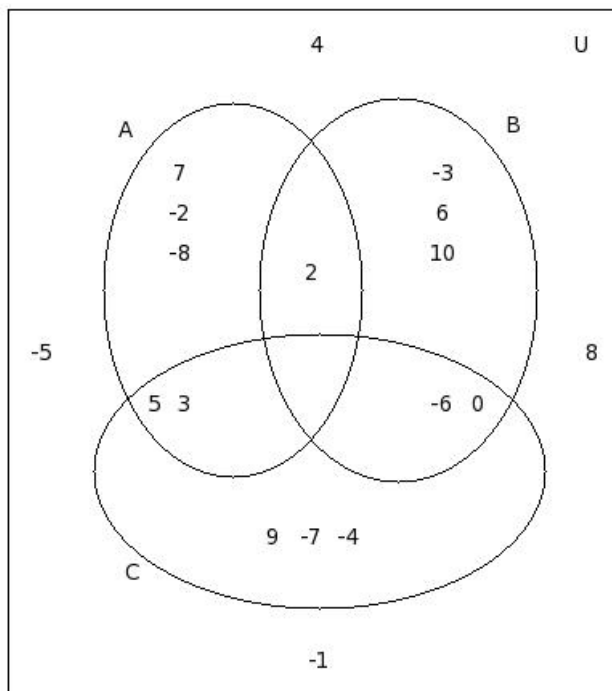
- (i) $\{10, -1, 1, 3, -6, 7, -2, 2, 6, -8, 8, -7, -3, 5, -5, 9, 0, -9\}$
 (ii) $\{10, -1, 1, 3, -6, 7, 4, -2, 2, 6, -8, 8, -7, -3, 5, -5, 9, 0\}$
 (iii) $\{10, -1, 1, 3, -6, 7, 4, -2, 2, 6, -8, 8, -7, -3, 5, -5, 9, 0, -9\}$
 (iv) $\{10, -1, 1, 3, -6, 7, 4, -2, 2, 6, -8, 8, -7, 5, -5, 9, 0, -9\}$
 (v) $\{10, -1, 3, -6, 7, 4, -2, 2, 6, -8, 8, -7, -3, 5, -5, 9, 0\}$

29. Find $(A - B) \cap (A - C)$



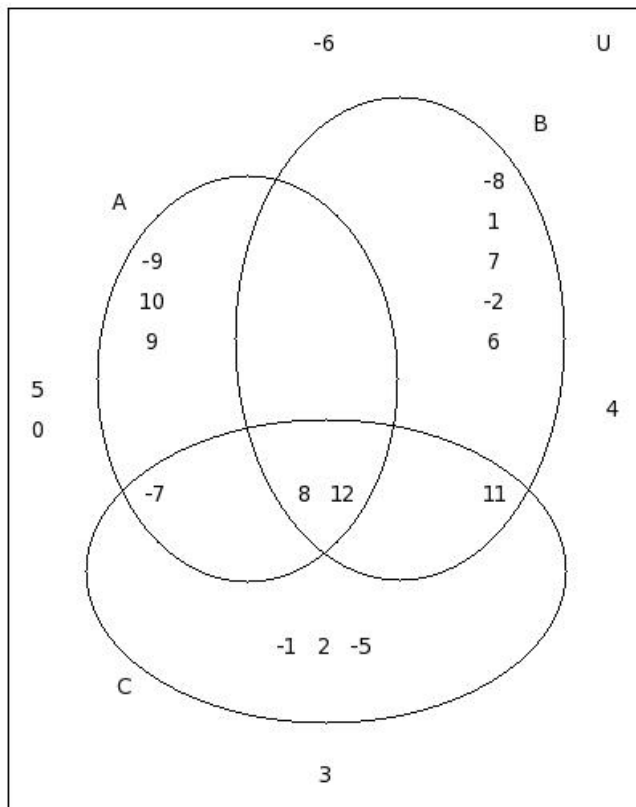
- (i) {5,12,9} (ii) {5,-8} (iii) {5,12} (iv) {5,9} (v) {5}

30. Find $(B - C) \cap (B - A)$



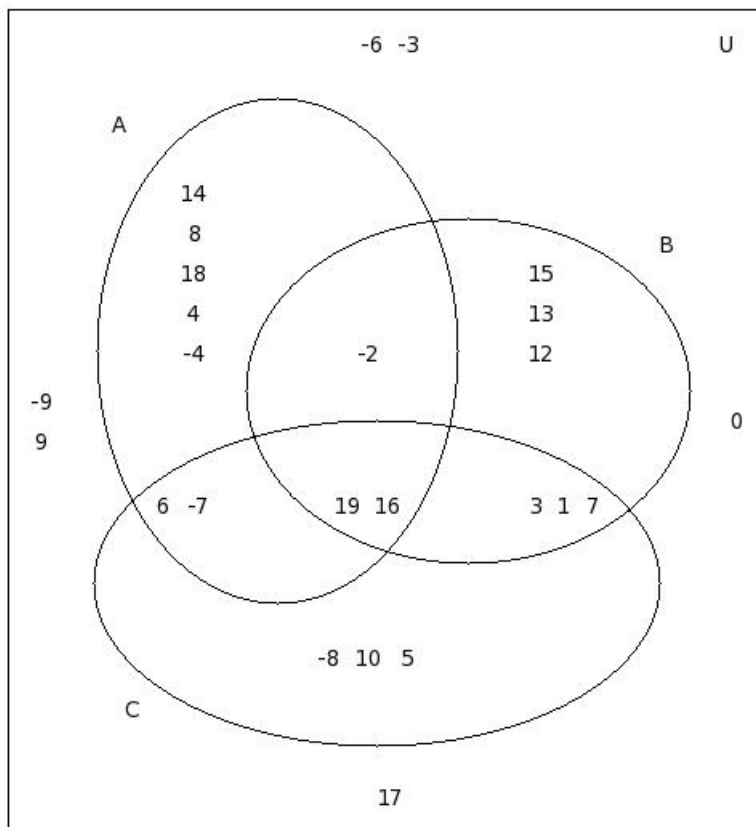
- (i) {-3,10,6,-6} (ii) {10,6,-6} (iii) {-3,6,5} (iv) {-3,6} (v) {-3,10,6}

31. Find $(C - A) \cap (C - B)$



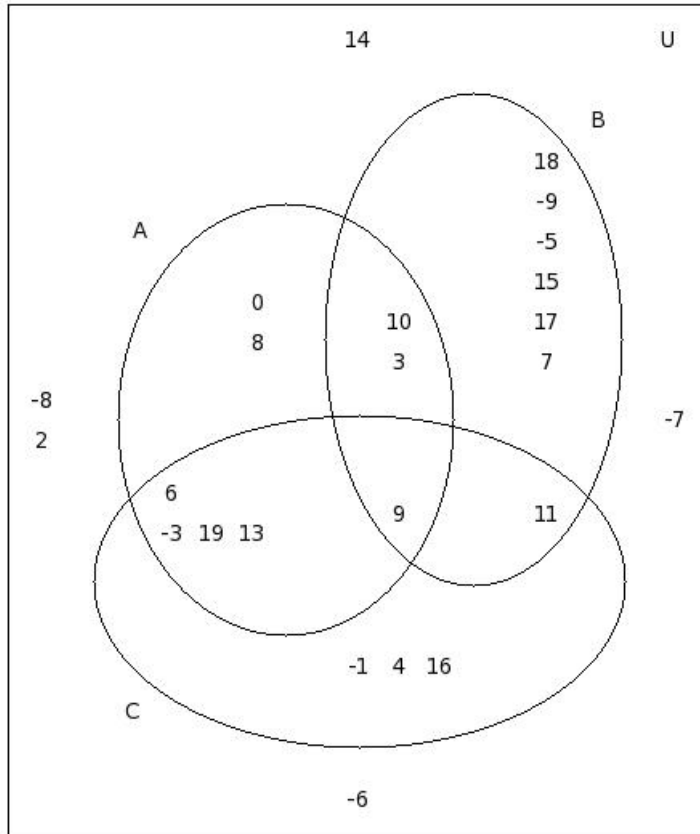
- (i) $\{-1, -5, 0\}$ (ii) $\{-1, -5, 1\}$ (iii) $\{-1, 2, -5\}$ (iv) $\{-1, -5\}$ (v) $\{-1, 2, -5, 0\}$

32. Find $(A - B) \cup (A - C)$



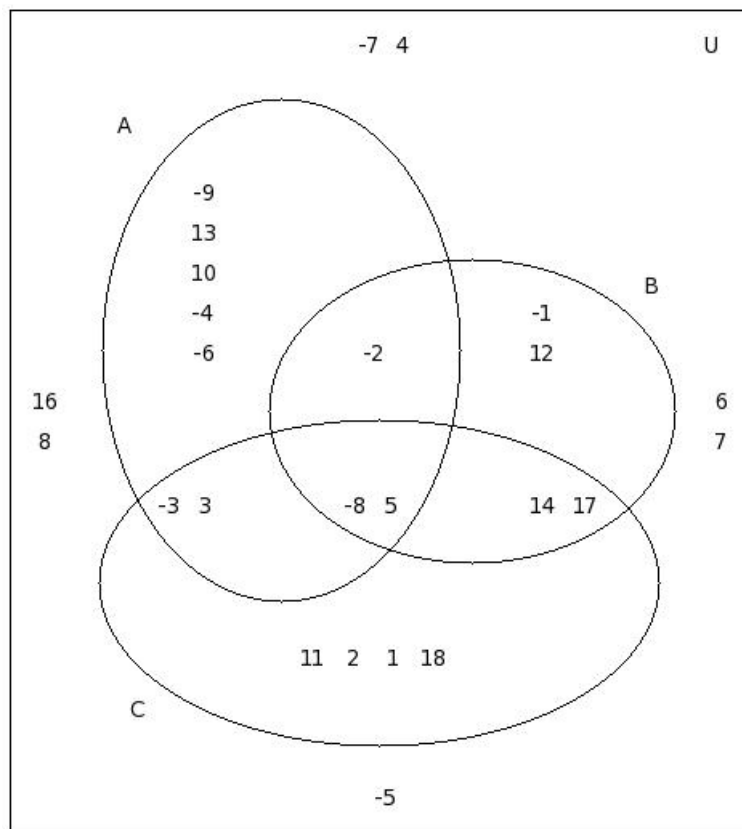
- (i) $\{4, 6, 14, 8, -4, -2, -7, 13\}$ (ii) $\{4, 6, 18, 8, -4, -2, -7\}$
 (iii) $\{4, 6, 18, 14, 8, -4, -2, -7\}$ (iv) $\{4, 18, 14, 8, -4, -2, -7, 7\}$
 (v) $\{4, 6, 18, 14, 8, -4, -2, -7, 7\}$

33. Find $(B - C) \cup (B - A)$



- (i) $\{17, 10, -9, 7, 15, 3, -5, 18, 11\}$ (ii) $\{17, 10, -9, 7, 15, 3, -5, 18\}$
 (iii) $\{17, 10, -9, 7, 15, 3, -5, 18, 11, -3\}$ (iv) $\{17, 10, -9, 15, 3, -5, 18, 11, -3\}$
 (v) $\{17, 10, -9, 7, 15, 3, 18, 11, 9\}$

34. Find $(C - A) \cup (C - B)$



- (i) $\{-3, 14, 18, 3, 17, 1, 11, -1\}$ (ii) $\{-3, 14, 2, 18, 3, 17, 1, 11, -5\}$
 (iii) $\{-3, 14, 2, 18, 3, 17, 1, 11\}$ (iv) $\{-3, 14, 18, 3, 17, 1, 11, -5\}$
 (v) $\{-3, 14, 2, 18, 3, 1, 11\}$
-

Assignment Key

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