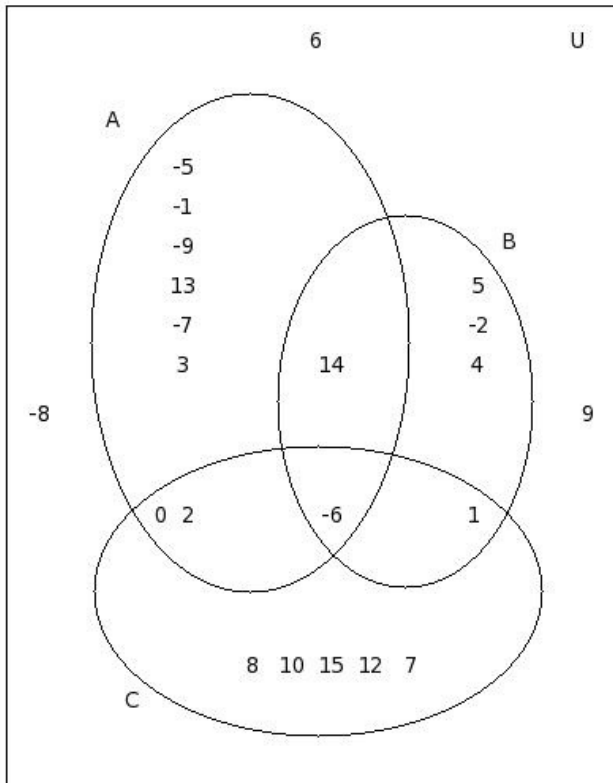


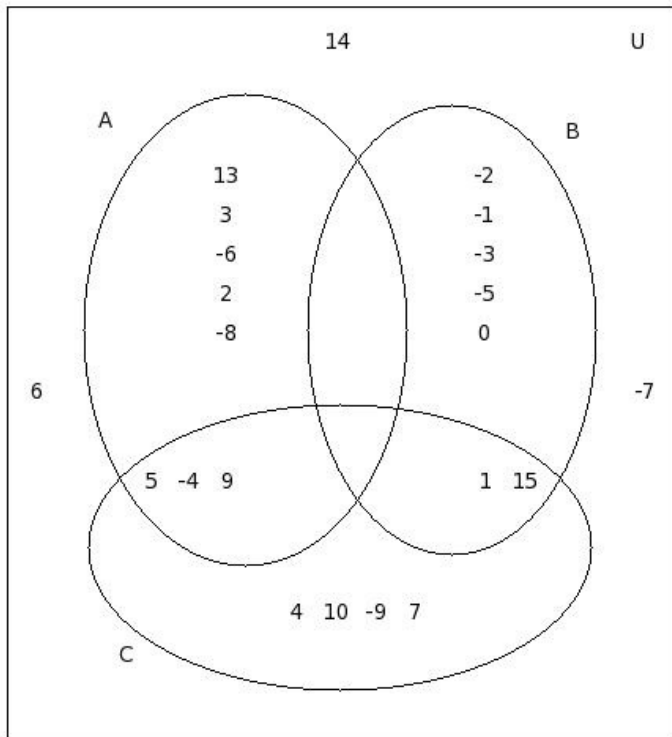


1. Find A



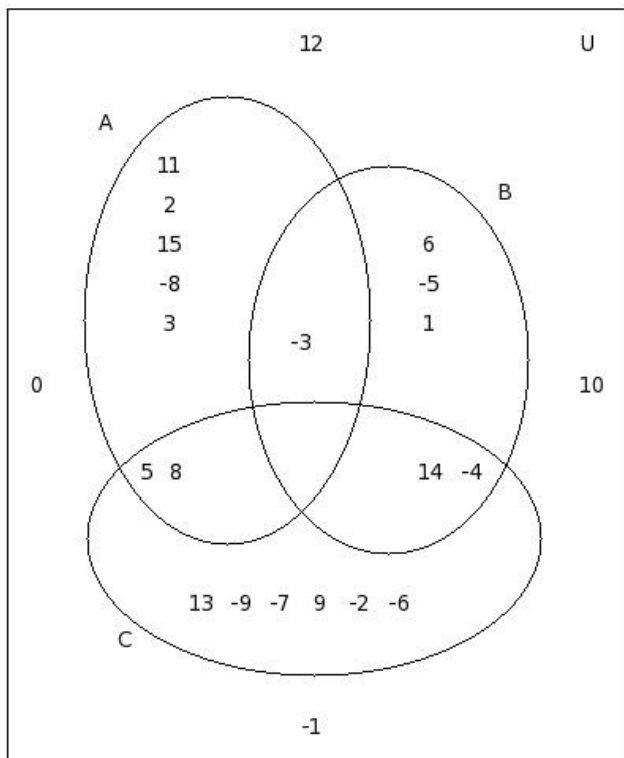
- (i) $\{-7, 14, -6, 13, -9, 0, 2, -5, -1, 3\}$ (ii) $\{-7, 14, 13, -9, 0, 2, -5, -1, 3, -8\}$ (iii) $\{-7, 14, -6, 13, -9, 0, 2, -5, -1, 3, -8\}$
(iv) $\{-7, 14, 13, -9, 0, 2, -5, -1, 3, 9\}$ (v) $\{-7, 14, -6, 13, -9, 0, 2, -5, 3\}$

2. Find B



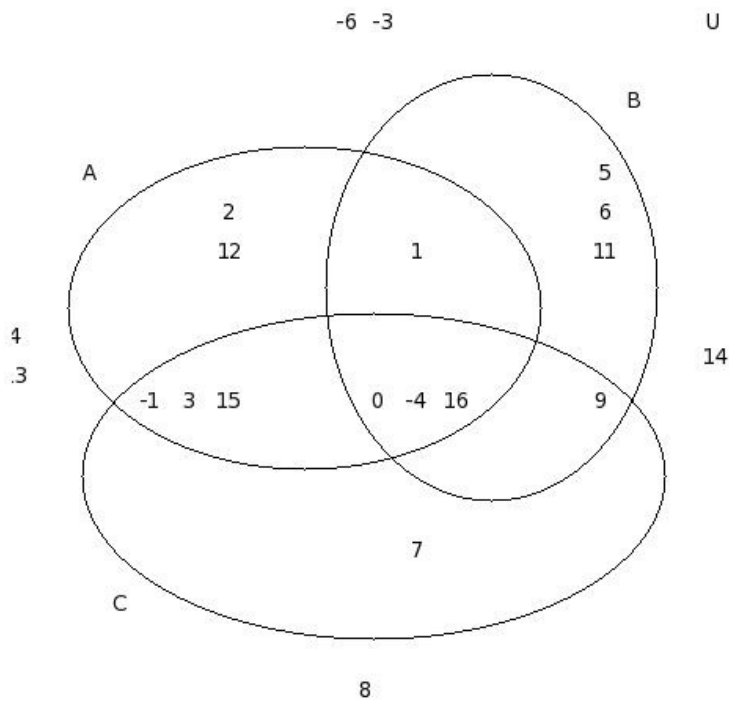
- (i) $\{1, -2, 15, -5, 0, -3\}$ (ii) $\{1, -2, 15, -5, 0, -1, -6\}$ (iii) $\{1, 15, -5, 0, -1, -3, 2\}$ (iv) $\{1, -2, 15, -5, 0, -1, -3, -6\}$
 (v) $\{1, -2, 15, -5, 0, -1, -3\}$

3. Find C



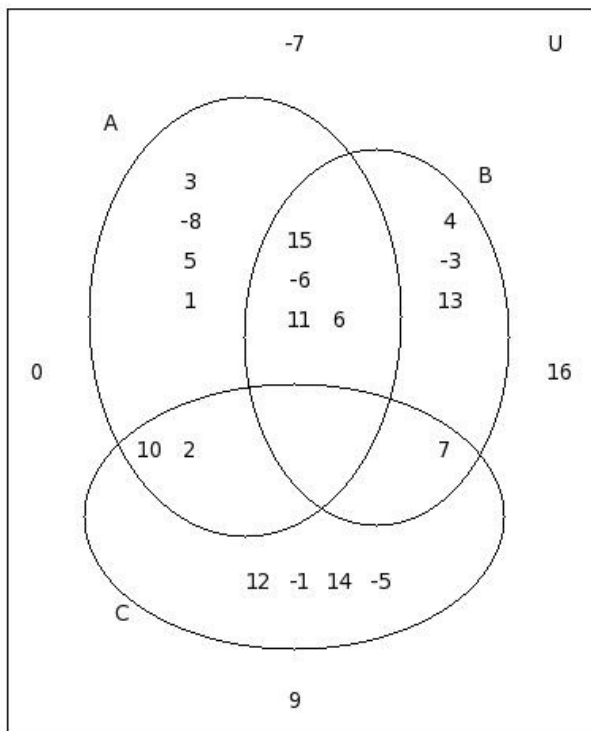
- (i) $\{-2, 8, 13, 5, 14, -6, -9, -4, -7, 9, 6\}$ (ii) $\{-2, 8, 13, 5, 14, -6, -4, -7, 9, -5\}$ (iii) $\{-2, 8, 13, 5, 14, -6, -9, -4, -7, 9\}$
 (iv) $\{-2, 8, 13, 5, -6, -9, -4, -7, 9, 6\}$ (v) $\{-2, 8, 5, 14, -6, -9, -4, -7, 9\}$

4. Find $A \cup B$



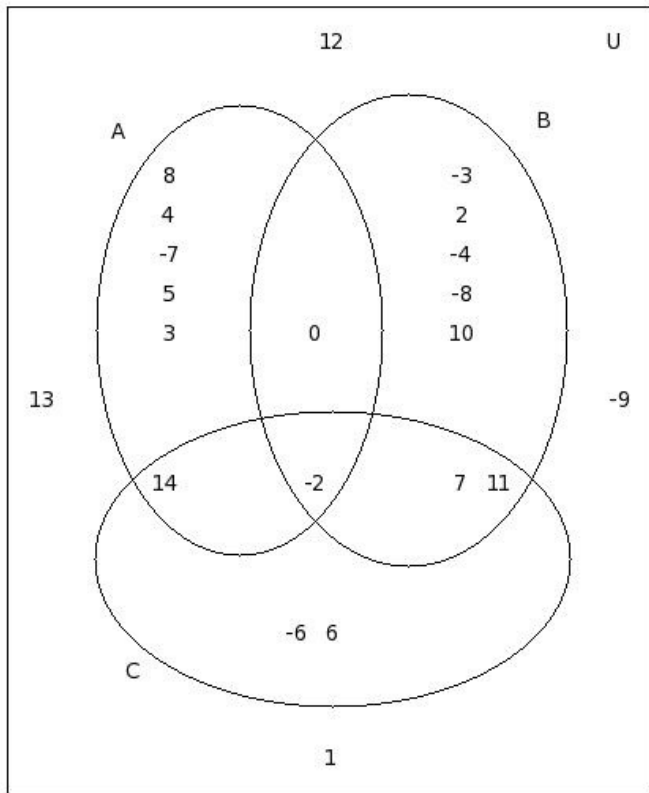
- (i) $\{5, 0, -1, 15, 2, 3, 12, -4, 1, 11, 16, 6, 9, 4\}$ (ii) $\{5, 0, -1, 15, 2, 3, 12, -4, 1, 11, 16, 6, 9\}$
 (iii) $\{5, 0, -1, 15, 2, 12, -4, 1, 11, 16, 6, 9, 8\}$ (iv) $\{5, 0, -1, 15, 2, 3, 12, -4, 1, 11, 16, 6, 4\}$
 (v) $\{5, 0, -1, 15, 2, 3, 12, -4, 11, 16, 6, 9\}$

5. Find $B \cup C$



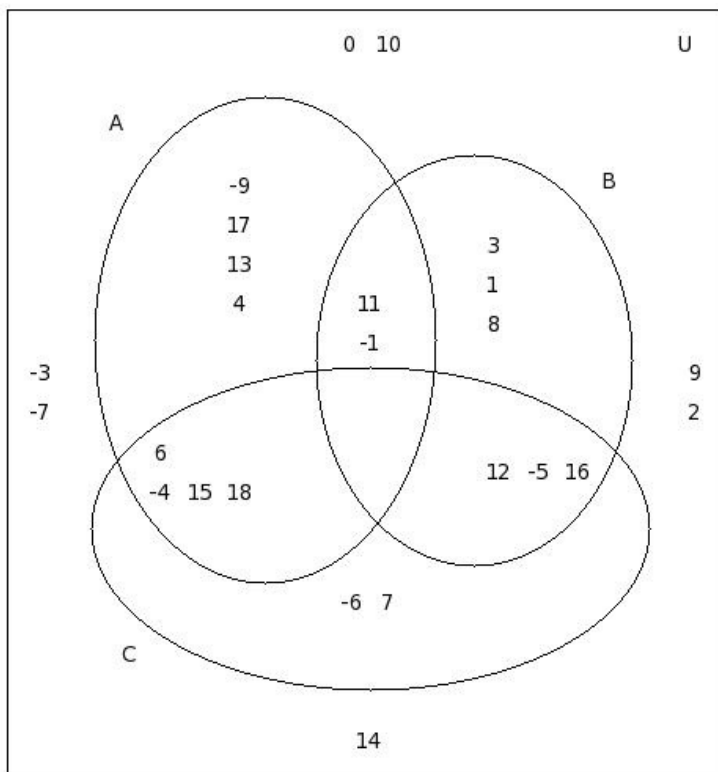
- (i) $\{-3, 14, 15, 4, -5, 12, -1, 2, 7, 13, 6, 11, -6, 3\}$ (ii) $\{10, -3, 14, 15, 4, -5, 12, -1, 2, 7, 13, 6, 11, -6, 3\}$
 (iii) $\{10, -3, 14, 15, 4, -5, 12, -1, 2, 7, 13, 6, 11\}$ (iv) $\{10, -3, 14, 15, 4, -5, 12, 2, 7, 13, 6, 11, -6, -8\}$
 (v) $\{10, -3, 14, 15, 4, -5, 12, -1, 2, 7, 13, 6,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

6. Find $C \cup A$



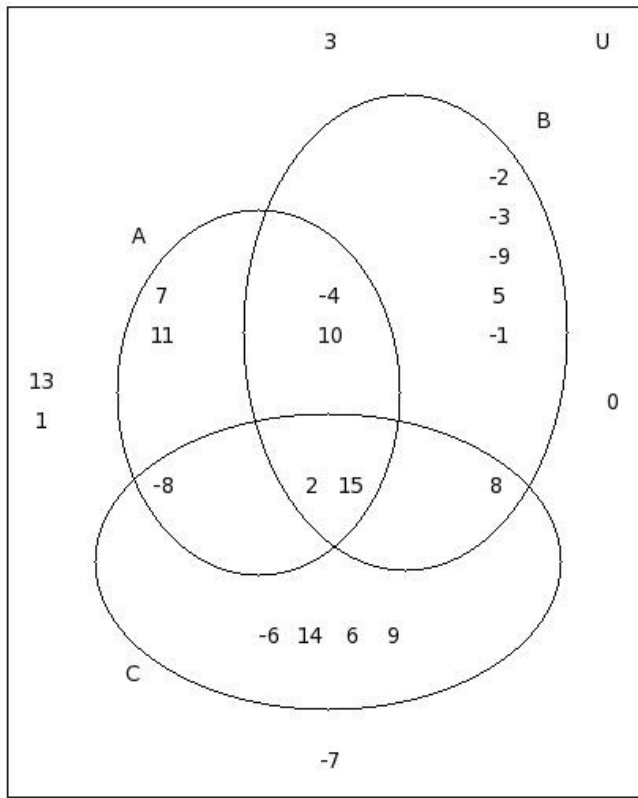
- (i) $\{4, 6, 3, 7, 14, 8, 0, 5, 11, -7, -6, 1\}$ (ii) $\{4, 6, 3, 7, 8, 0, 5, -2, 11, -7, -6, -9\}$ (iii) $\{4, 6, 3, 7, 14, 8, 0, 5, -2, 11, -7, -6\}$
 (iv) $\{4, 6, 3, 7, 14, 8, 0, 5, 11, -7, -6\}$ (v) $\{4, 6, 3, 7, 14, 8, 0, 5, -2, 11, -7, -6, 1\}$

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



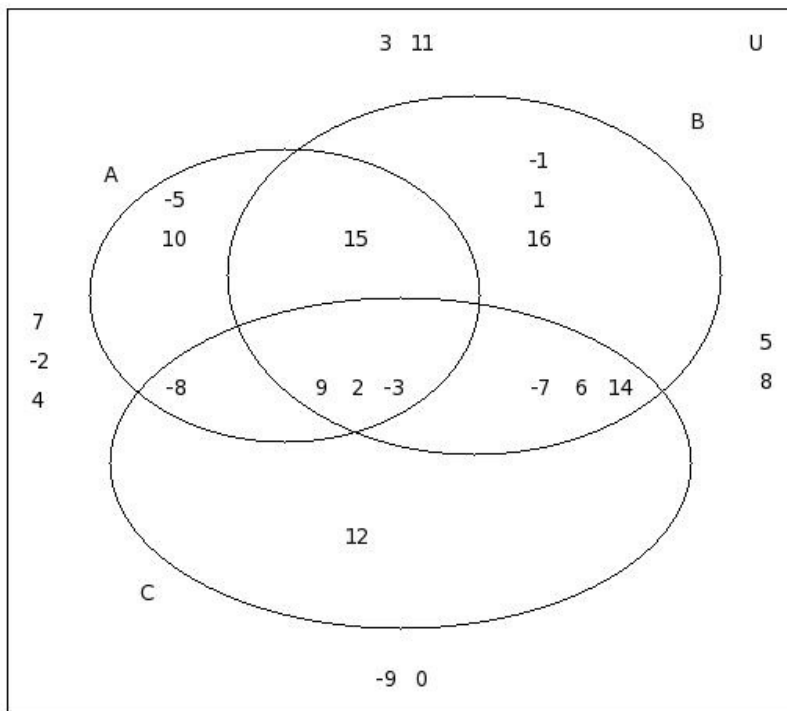
- (i) $\{-6, 13, -4, 6, 1, 8, 3, 17, -1, 12, 7, 15, -9, 11, 18, 16, 4, -5\}$ (ii) $\{-6, 13, -4, 6, 1, 8, 3, 17, -1, 12, 7, 15, -9, 11, 18, 16, 4, -5, 10\}$
 (iii) $\{-6, 13, -4, 6, 1, 8, 3, -1, 12, 7, 15, -9, 11, 18, 16, 4, -5\}$ (iv) $\{-6, 13, -4, 6, 1, 8, 3, 17, -1, 12, 7, 15, -9, 11, 18, 16, 4,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

8. Find $A \cap B$



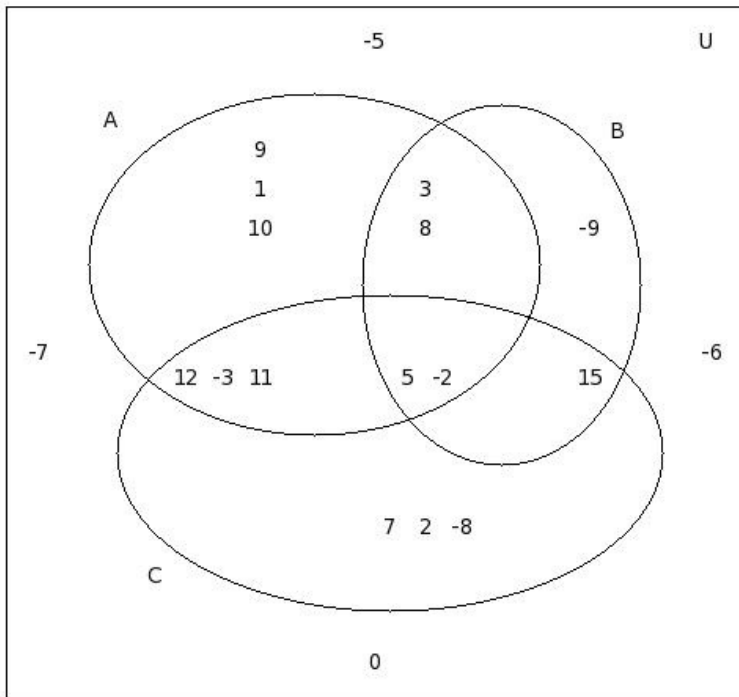
- (i) $\{2, -4, 15, 1\}$ (ii) $\{2, -4, 10\}$ (iii) $\{2, -4, 10, 15\}$ (iv) $\{-4, 10, 15, 3\}$ (v) $\{2, -4, 10, 15, 3\}$

9. Find $B \cap C$



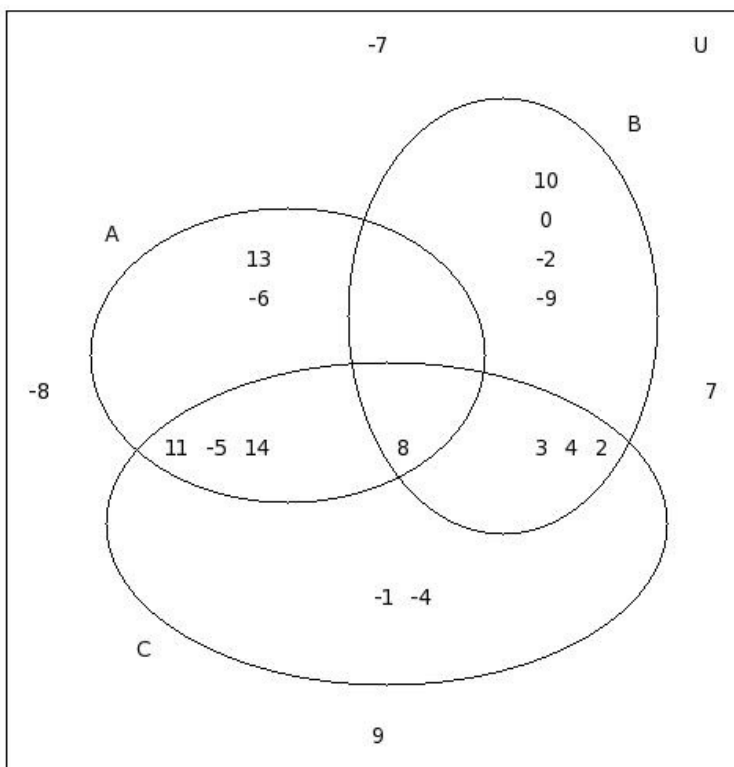
- (i) $\{2, -3, -7, 6, 14, 9, 12\}$ (ii) $\{-3, -7, 6, 14, 9, -1\}$ (iii) $\{2, -7, 6, 14, 9, 12\}$ (iv) $\{-3, -7, 6, 14, 9\}$ (v) $\{2, -3, -7, 6, 14, 9\}$

10. Find $C \cap A$



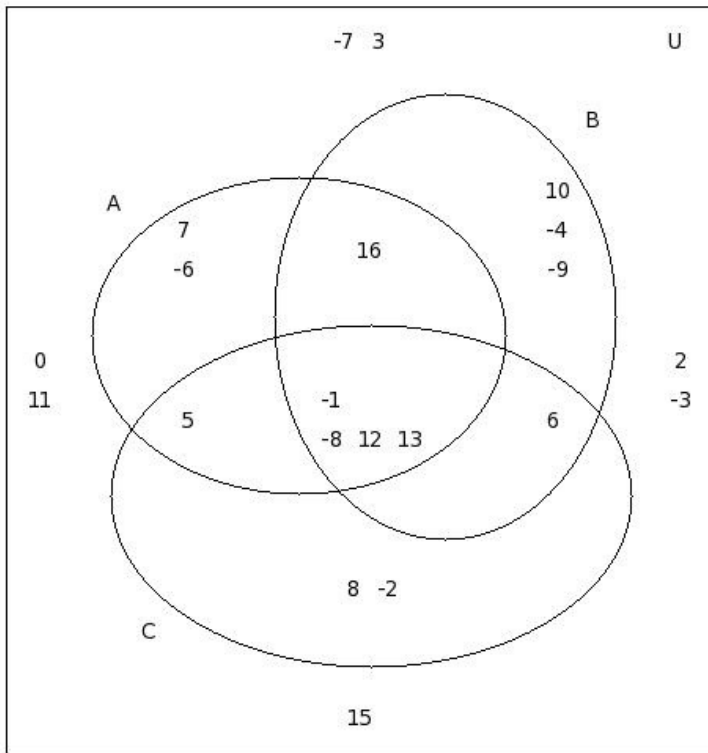
- (i) $\{-3, 11, -2, 12\}$ (ii) $\{-3, 11, -2, 5, 12\}$ (iii) $\{-3, 11, -2, 5, -9\}$ (iv) $\{-3, 11, -2, 12, -8\}$ (v) $\{-3, 11, -2, 5, 12, -9\}$

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



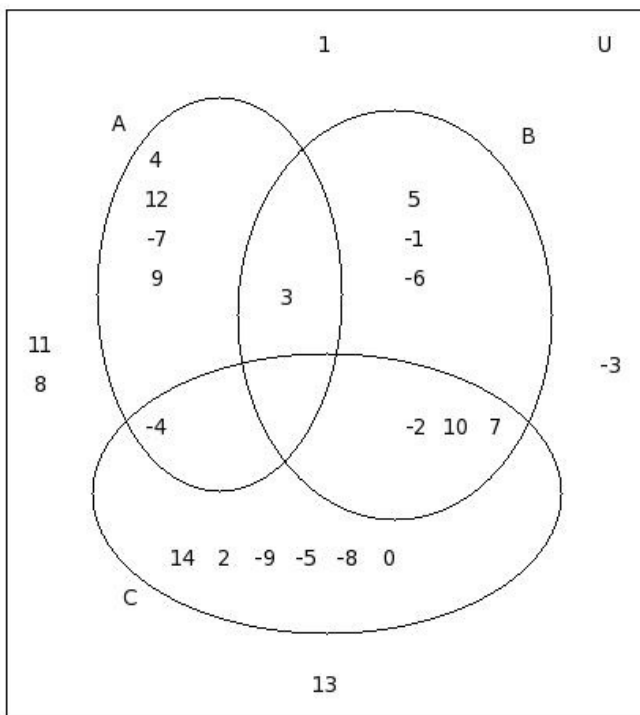
- (i) $\{8, -6\}$ (ii) $\{\}$ (iii) $\{-9\}$ (iv) $\{8\}$ (v) $\{-6\}$

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



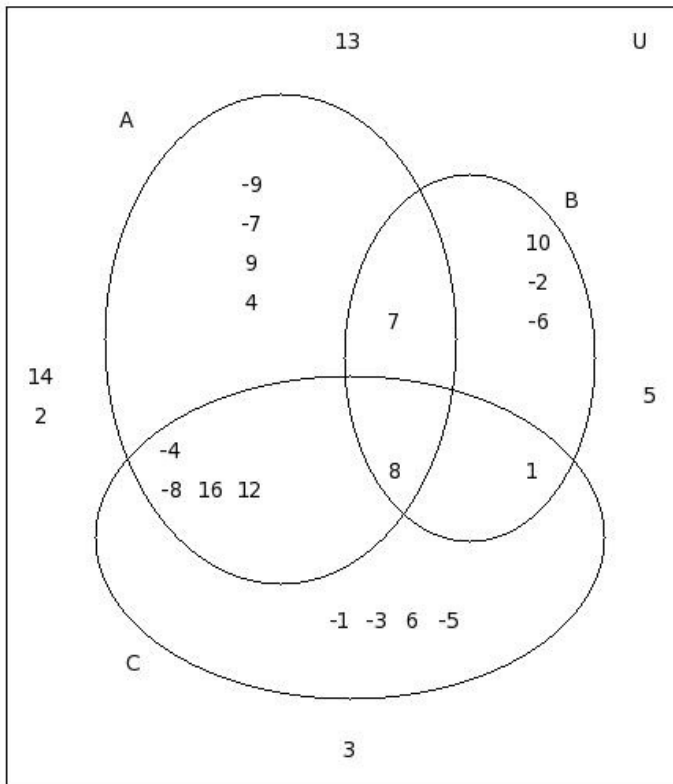
- (i) $\{12, 5, -1, 13, -6, 16, 6, 7, -2\}$ (ii) $\{-8, 12, 5, -1, 13, -6, 16, 6, 7, -2\}$ (iii) $\{-8, 12, 5, -1, 13, -6, 16, 6, 7\}$
 (iv) $\{-8, 12, -1, 13, -6, 16, 6, 7\}$ (v) $\{-8, 12, 5, 13, -6, 16, 6, 7, 10\}$

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



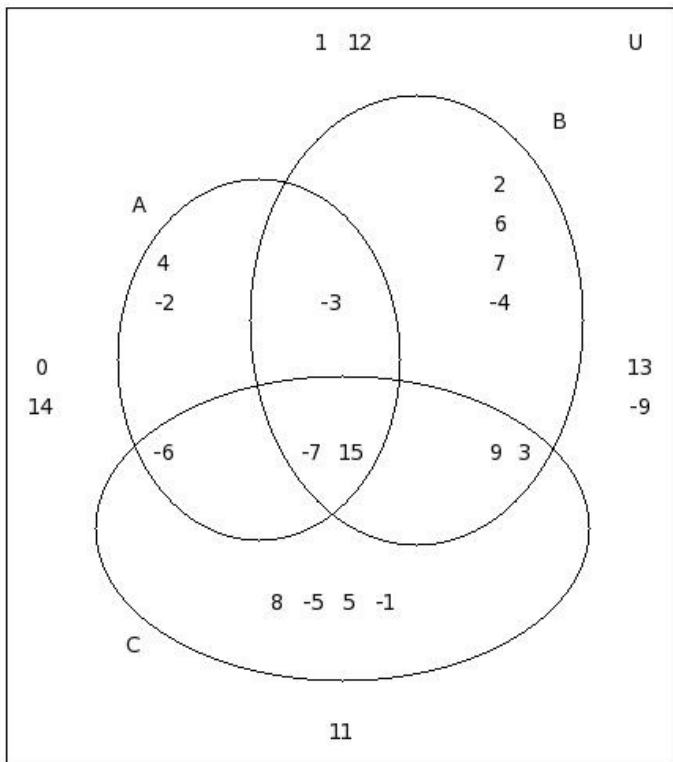
- (i) $\{3, -1, 5, -4, 7, -6, 10, -2, 11\}$ (ii) $\{3, -1, 5, -4, -6, 10, -2, 11\}$ (iii) $\{3, 5, -4, 7, -6, 10, -2, -3\}$ (iv) $\{3, -1, 5, -4, -6, 10, -2\}$
 (v) $\{3, -1, 5, -4, 7, -6, 10, -2\}$

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



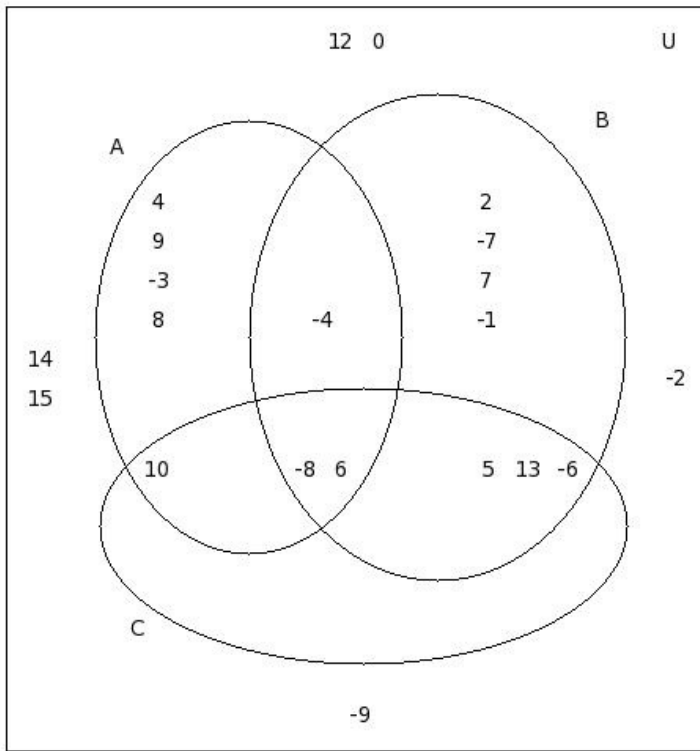
- (i) $\{8, -1, -5, -4, -3, 6, -8, 1, 12, 7\}$ (ii) $\{8, -1, -5, -4, -3, 6, -8, 1, 16, 12, 7, -2\}$ (iii) $\{8, -1, -5, -4, -3, 6, -8, 1, 16, 12, 7\}$
 (iv) $\{8, -1, -5, -4, -3, 6, -8, 1, 12, 7, -2\}$ (v) $\{8, -1, -5, -4, -3, -8, 1, 16, 12, 7, 14\}$

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



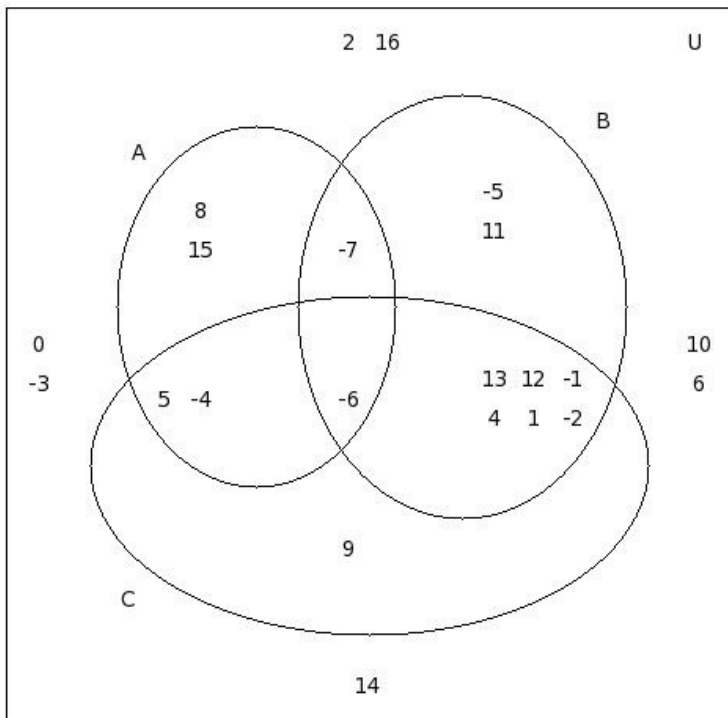
- (i) $\{-6, -7, -3, 15\}$ (ii) $\{-7, -3, 15, 12\}$ (iii) $\{-6, -3, 15, -2\}$ (iv) $\{-6, -7, 15\}$ (v) $\{-6, -7, -3, 15, 12\}$

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



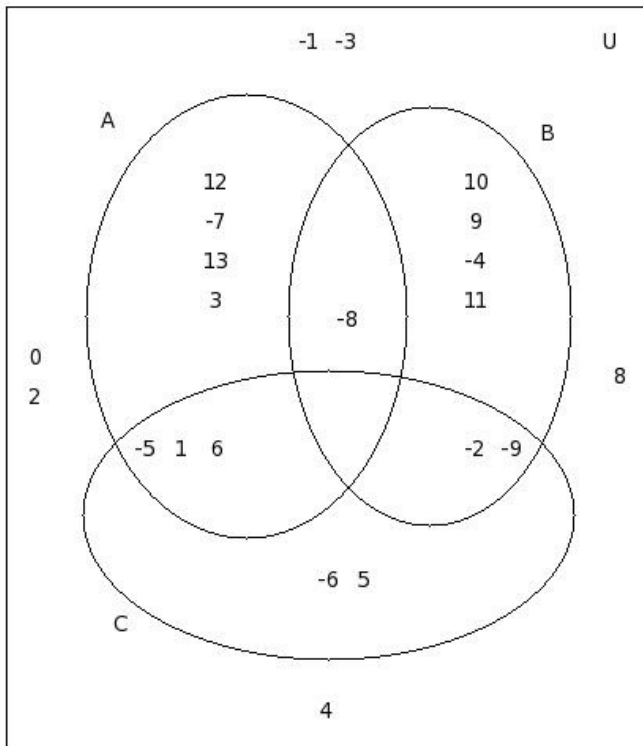
- (i) $\{-4, 6, -8, 5, -6, 13, -2\}$ (ii) $\{-4, 6, -8, 5, -6, -9\}$ (iii) $\{-4, 6, -8, 5, -6, 13\}$ (iv) $\{6, -8, 5, -6, 13\}$ (v) $\{-4, 6, -8, 5, -6, -2\}$

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



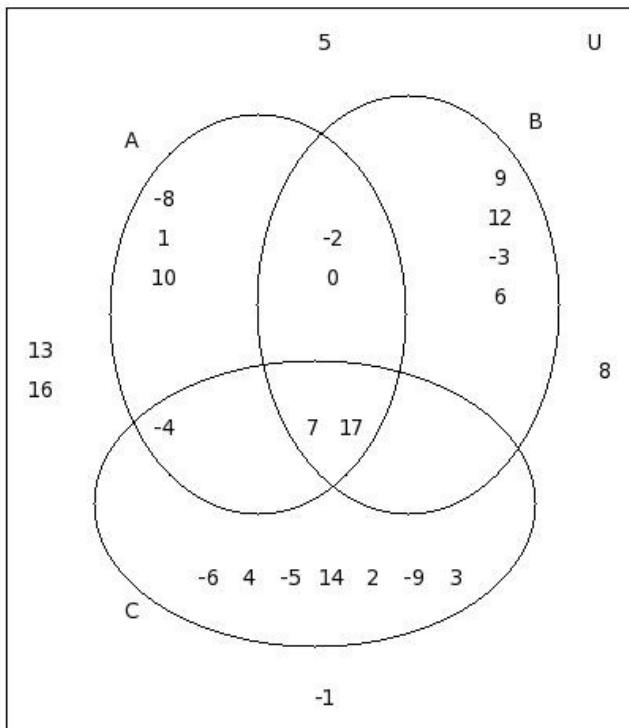
- (i) $\{8, 15, -2\}$ (ii) $\{15\}$ (iii) $\{8, -2\}$ (iv) $\{8, 15\}$ (v) $\{15, -6\}$

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



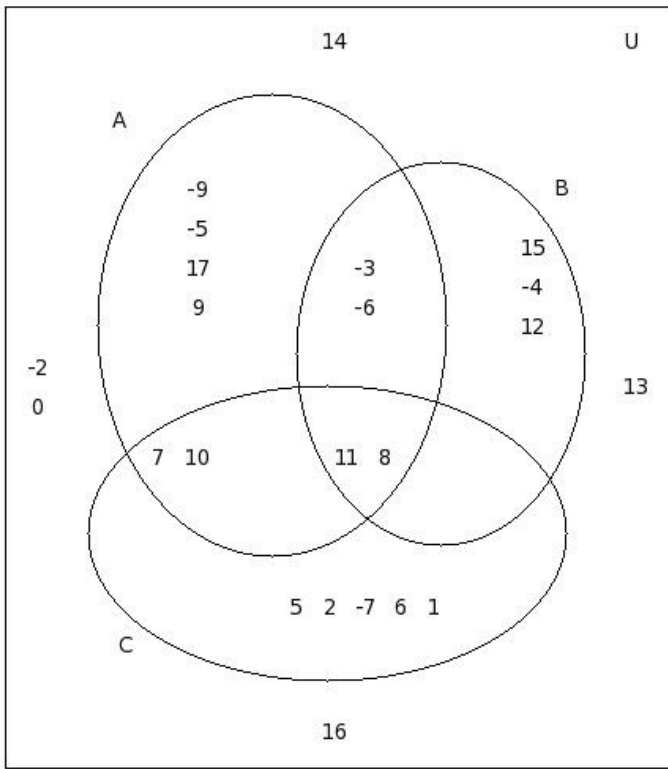
- (i) $\{-4, 10, 9, 4\}$ (ii) $\{11, 10, 9\}$ (iii) $\{11, -4, 10, 9\}$ (iv) $\{11, -4, 10, 3\}$ (v) $\{11, -4, 10, 9, 4\}$

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



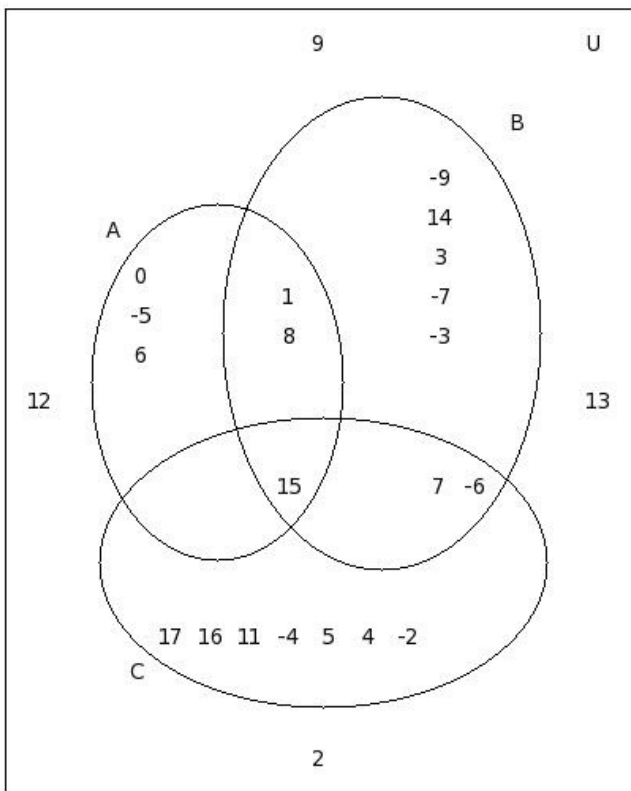
- (i) $\{-2, 10, -8, -4, 1, 14\}$ (ii) $\{-2, 10, -8, -4, 1, 0, 14\}$ (iii) $\{10, -8, -4, 1, 0, 7\}$ (iv) $\{10, -8, -4, 1, 0\}$
 (v) $\{-2, 10, -8, -4, 1, 0\}$

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



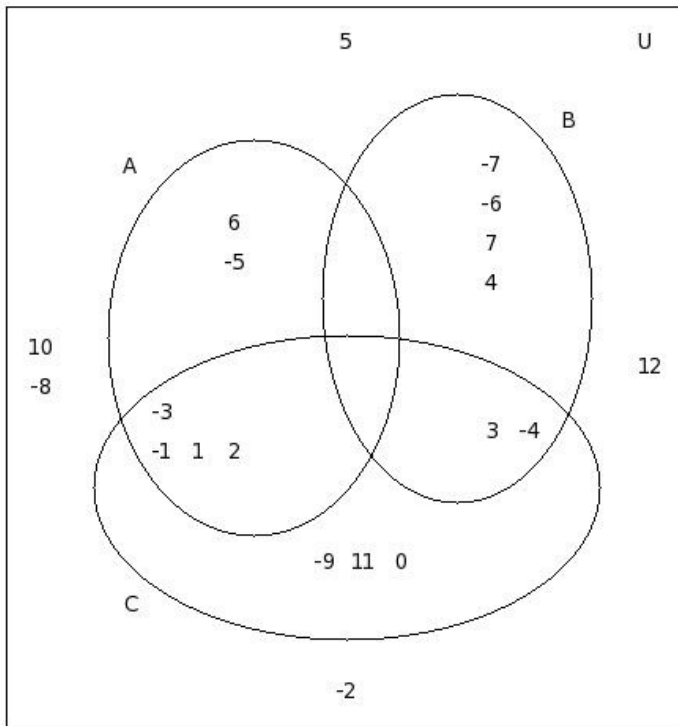
- (i) $\{-6, -4, -3, 12, 1\}$ (ii) $\{-6, -4, -3, 12\}$ (iii) $\{15, -6, -4, -3, 12, 1\}$ (iv) $\{15, -6, -4, -3, 12\}$ (v) $\{-6, -4, -3, 12, 9\}$

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



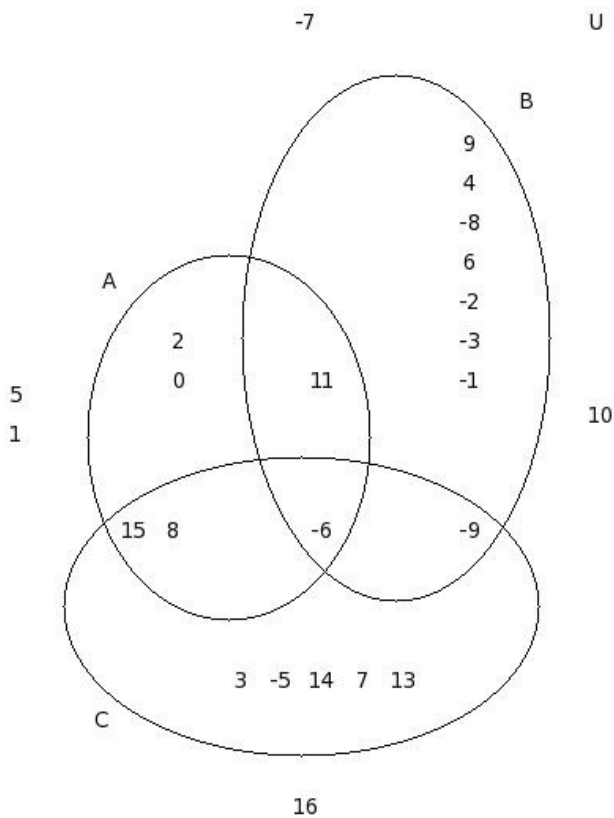
- (i) $\{-5, 8, 0, 1, 9\}$ (ii) $\{-5, 6, 8, 0, -6\}$ (iii) $\{-5, 6, 8, 0, 1\}$ (iv) $\{-5, 6, 0, 1\}$ (v) $\{-5, 6, 8, 0, 1, 9\}$

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



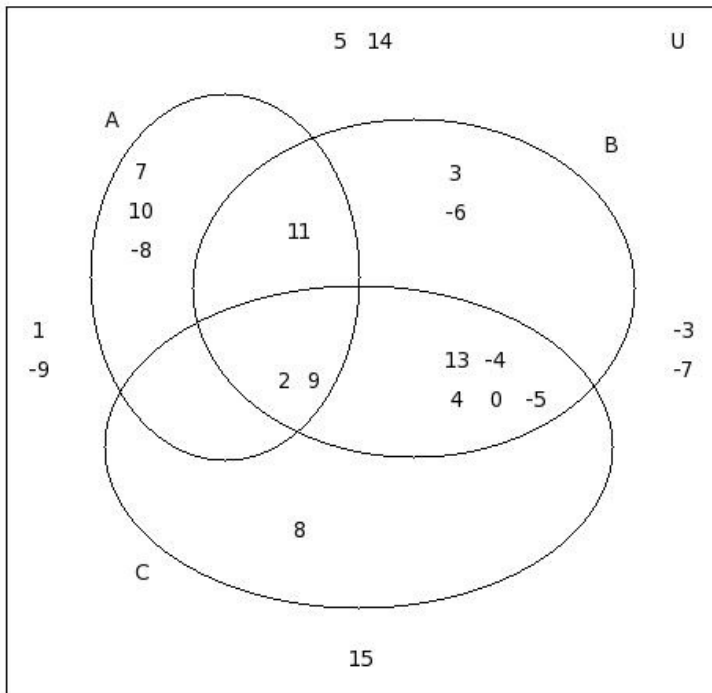
- (i) $\{-7, -4, 3, -6, 7, 4, 6\}$ (ii) $\{-7, -4, 3, 7, 4, 6\}$ (iii) $\{-7, -4, 3, 7, 4, 11\}$ (iv) $\{-7, -4, 3, -6, 7, 4\}$ (v) $\{-4, 3, -6, 7, 4\}$

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



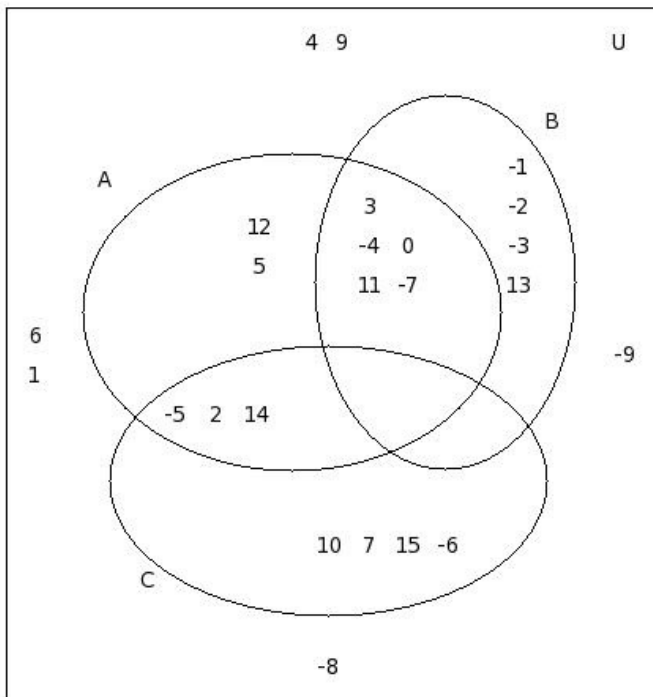
- (i) $\{15, 13, -5, 14, -9, 8, 3, 7, -2\}$ (ii) $\{13, -5, 14, -9, 8, 3, 7\}$ (iii) $\{15, 13, -5, 14, -9, 8, 3, 7\}$ (iv) $\{15, 13, -5, 14, -9, 8, 7, 16\}$ (v) $\{15, 13, -5, 14, 8, 3, 7, -2\}$

24. Find A'



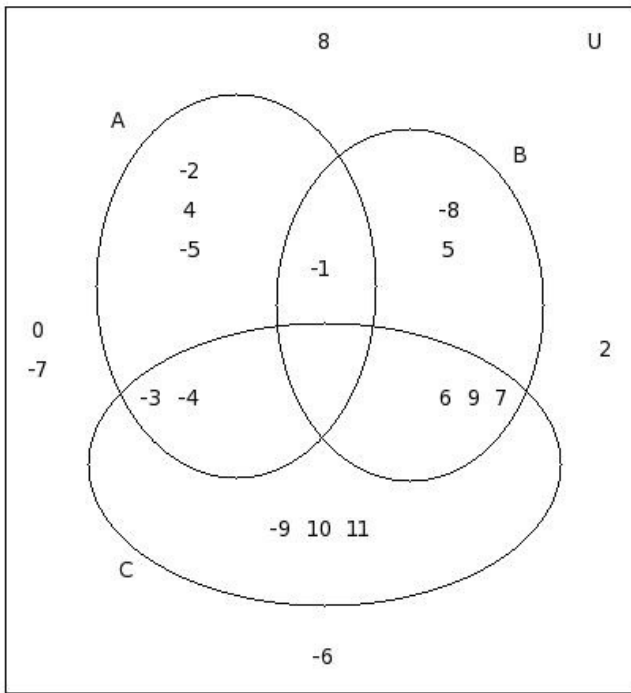
- (i) $\{0, 13, 8, -5, 14, -6, 1, -9, -7, -3, 4, 5, 3, 15, -4, 11\}$ (ii) $\{0, 13, 8, -5, 14, 1, -9, -7, -3, 4, 5, 3, 15, -4, 2\}$
 (iii) $\{0, 13, 8, -5, 14, -6, 1, -9, -7, -3, 4, 5, 15, -4, 11\}$ (iv) $\{0, 13, 8, -5, 14, -6, -9, -7, -3, 4, 5, 3, 15, -4\}$
 (v) $\{0, 13, 8, -5, 14, -6, 1, -9, -7, -3, 4, 5, 3, 15, -4\}$

25. Find B'



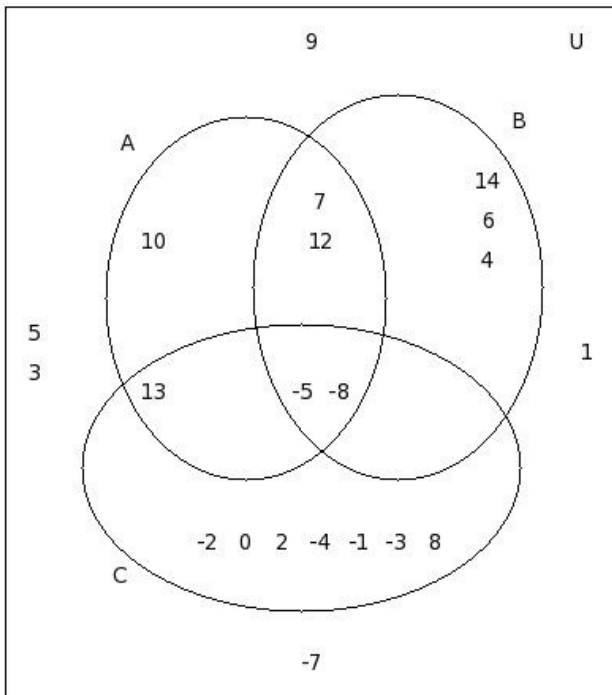
- (i) $\{5, 9, -8, -5, 6, -9, 7, -6, 12, 2, 15, 10, 4, 1, -3\}$ (ii) $\{14, 5, 9, -8, -5, 6, 7, -6, 12, 2, 15, 10, 4, 1, -7\}$
 (iii) $\{5, 9, -8, -5, 6, -9, 7, -6, 12, 2, 15, 10, 4, 1\}$ (iv) $\{14, 5, 9, -8, -5, 6, -9, 7, -6, 12, 2, 15, 10, 4, 1\}$
 (v) $\{14, 5, 9, -8, -5, 6, -9, 7, -6, 12, 2, 15,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

26. Find C'



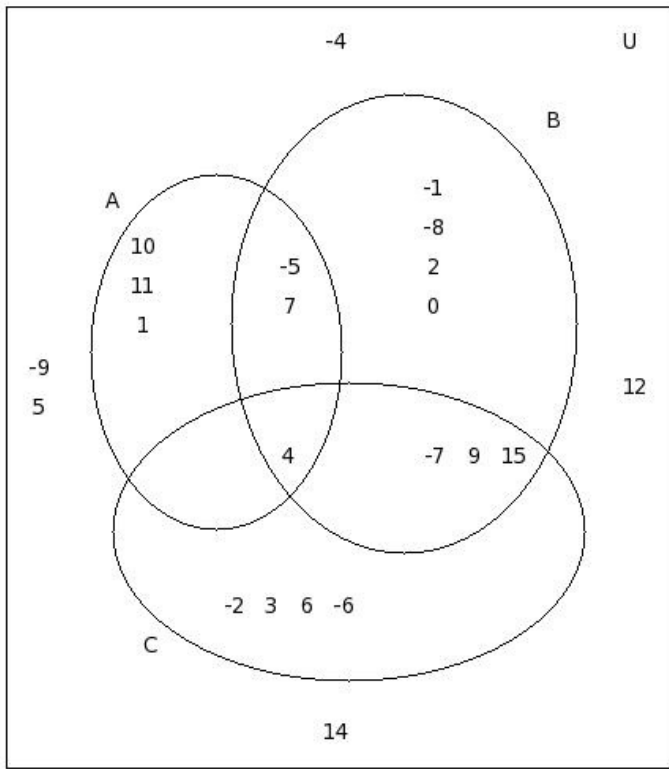
- (i) $\{-7, -6, 4, 2, -1, 0, -2, -5, 5, 8, -8\}$ (ii) $\{-7, -6, 4, 2, -1, 0, -2, -5, 5, 8, -8, 11\}$ (iii) $\{-7, -6, 4, 2, 0, -2, -5, 5, 8, -8, 11\}$
 (iv) $\{-7, -6, 4, 2, -1, 0, -2, 5, 8, -8, -4\}$ (v) $\{-7, -6, 4, 2, -1, 0, -2, -5, 5, 8\}$

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



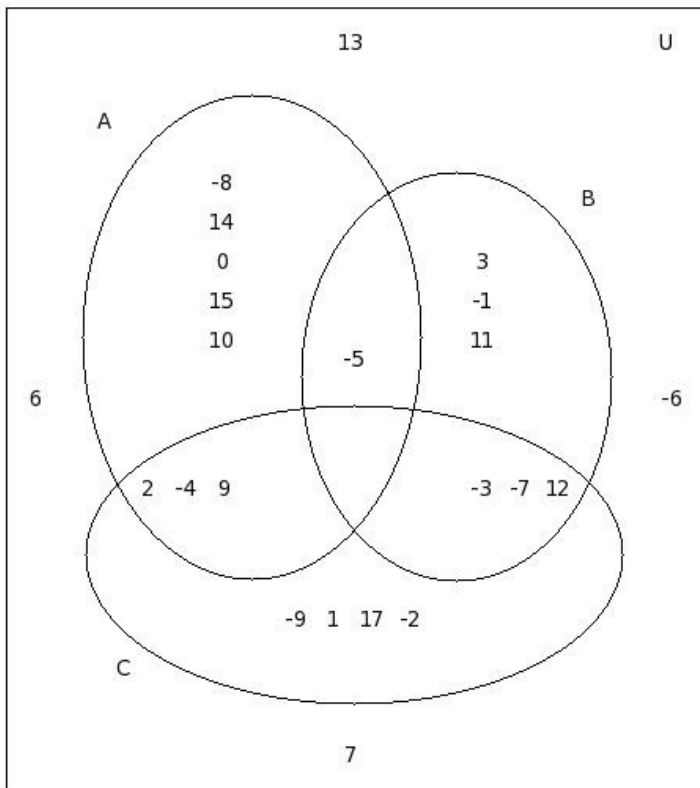
- (i) $\{-2, 1, -3, 9, 5, 8, -1, 0, -4, 3, -7\}$ (ii) $\{1, 2, -3, 9, 5, 8, -1, 0, -4, 3, -7, 13\}$ (iii) $\{-2, 1, 2, -3, 9, 5, 8, -1, 0, -4, 3, -7\}$
 (iv) $\{-2, 1, 2, 9, 5, 8, -1, 0, -4, 3, -7, 7\}$ (v) $\{-2, 1, 2, -3, 9, 5, 8, -1, 0, -4, 3, -7, 13\}$

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



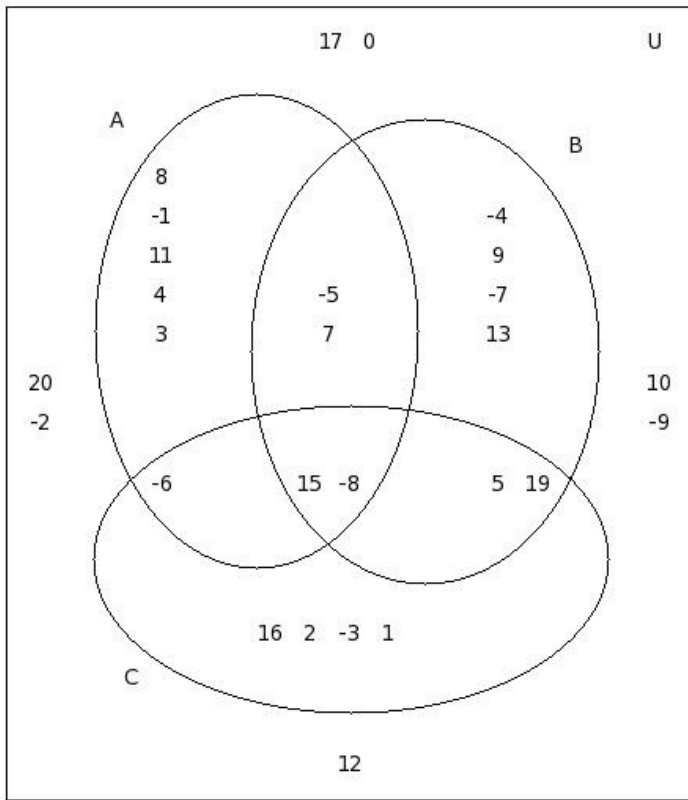
- (i) $\{11, 14, 5, 0, 10, 2, 15, -2, -4, -8, -1, 6, -7, 1, -6, 9, -9, 12, 3, -5\}$ (ii) $\{11, 14, 5, 0, 10, 2, 15, -2, -4, -8, 6, -7, 1, -6, 9, -9, 12, 3, 4\}$
 (iii) $\{11, 14, 5, 0, 10, 2, 15, -2, -4, -8, -1, 6, -7, 1, -6, 9, -9, 12, 3\}$ (iv) $\{11, 14, 5, 0, 10, 15, -2, -4, -8, -1, 6, -7, 1, -6, 9, -9, 12, 3\}$
 (v) $\{11, 14, 5, 0, 10, 2, 15, -2, -4, -8, 6, -7, 1, -6, 9, -9, 12, 3, -5\}$

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



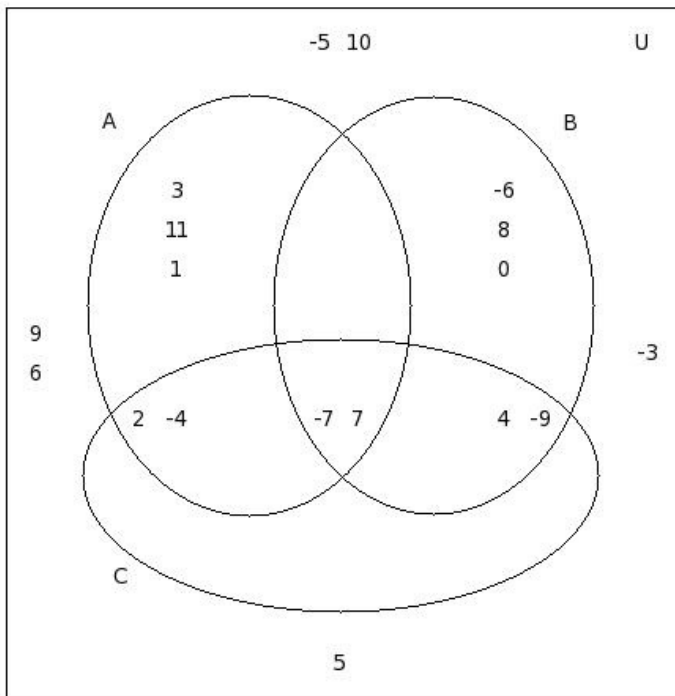
- (i) $\{-8, 14, 0, 10, -9\}$ (ii) $\{-8, 14, 0, 10, 15, -9\}$ (iii) $\{-8, 0, 10, 15, 3\}$ (iv) $\{-8, 14, 10, 15\}$ (v) $\{-8, 14, 0, 10, 15\}$

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



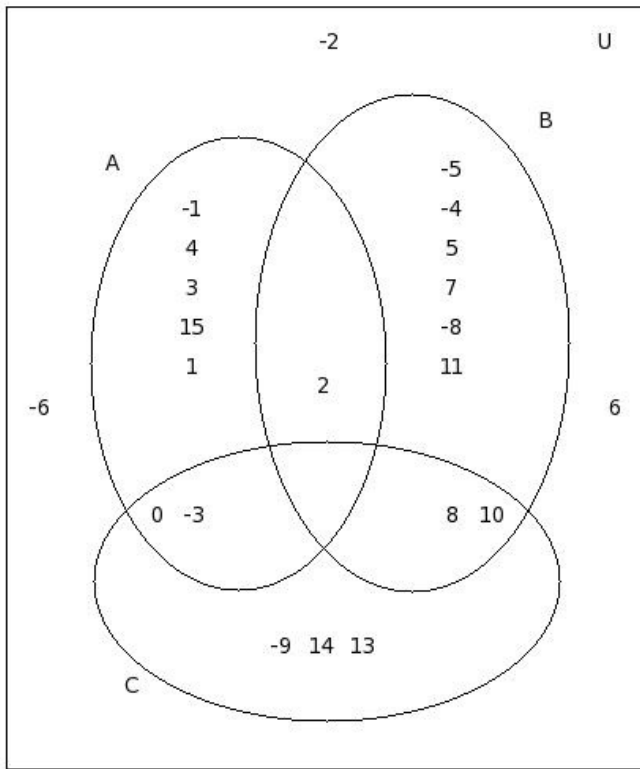
- (i) $\{-4, 13, -7, -6\}$ (ii) $\{-4, 13, 9, -2\}$ (iii) $\{-4, 13, -7, 9, -2\}$ (iv) $\{-4, 13, -7, 9\}$ (v) $\{-4, 13, -7\}$

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



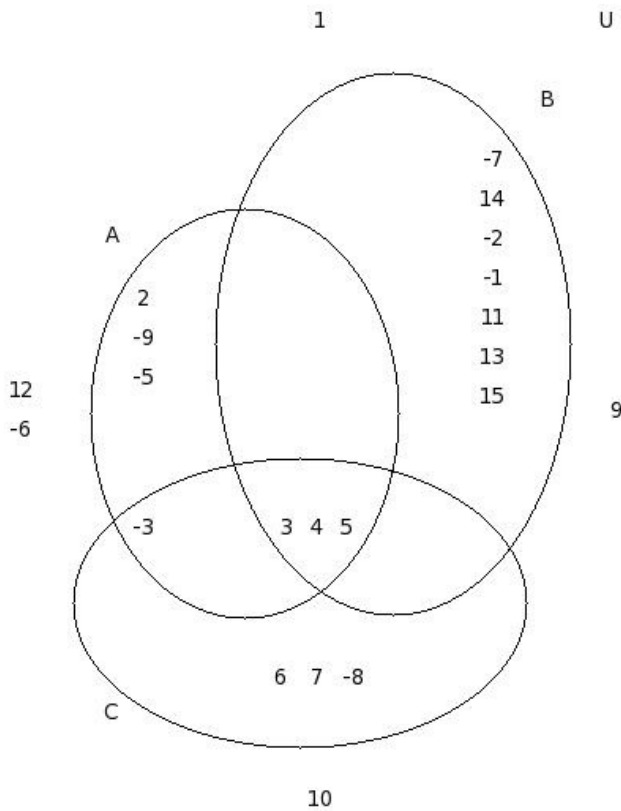
- (i) $\{3\}$ (ii) $\{5\}$ (iii) $\{\}$

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



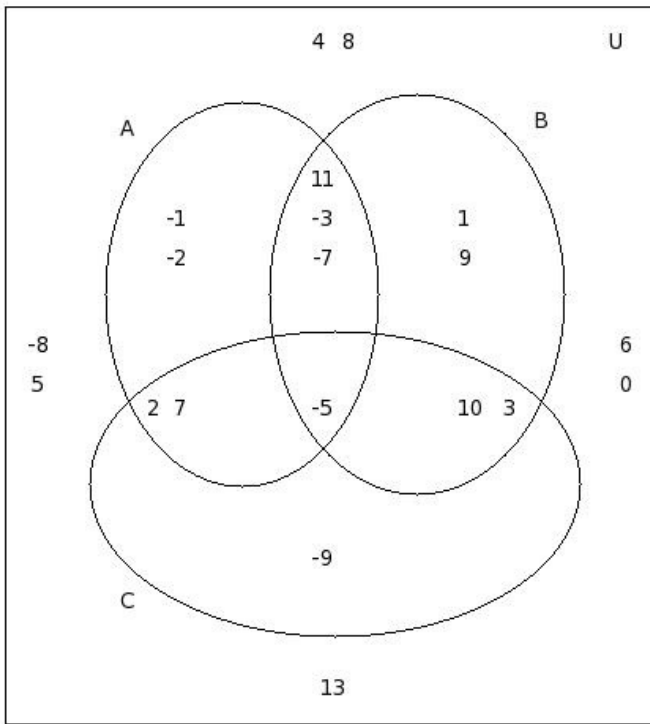
- (i) $\{-1, 4, -3, 3, 1, 2, 0, 15\}$ (ii) $\{-1, 4, -3, 3, 1, 2, 15, -5\}$ (iii) $\{-1, 4, -3, 1, 2, 0, 15\}$ (iv) $\{-1, 4, -3, 3, 1, 2, 15, 10\}$
 (v) $\{-1, 4, -3, 3, 1, 2, 0, 15, 10\}$

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



- (i) $\{14, -1, 15, 11, -7, 13\}$ (ii) $\{14, -1, 11, -7, 13, -2, -9\}$ (iii) $\{14, -1, 15, 11, -7, 13, -2\}$ (iv) $\{14, -1, 15, 11, -7, 13, -2, -9\}$
 (v) $\{14, -1, 15, 11, 13, -2, 7\}$

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



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

Assignment Key

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