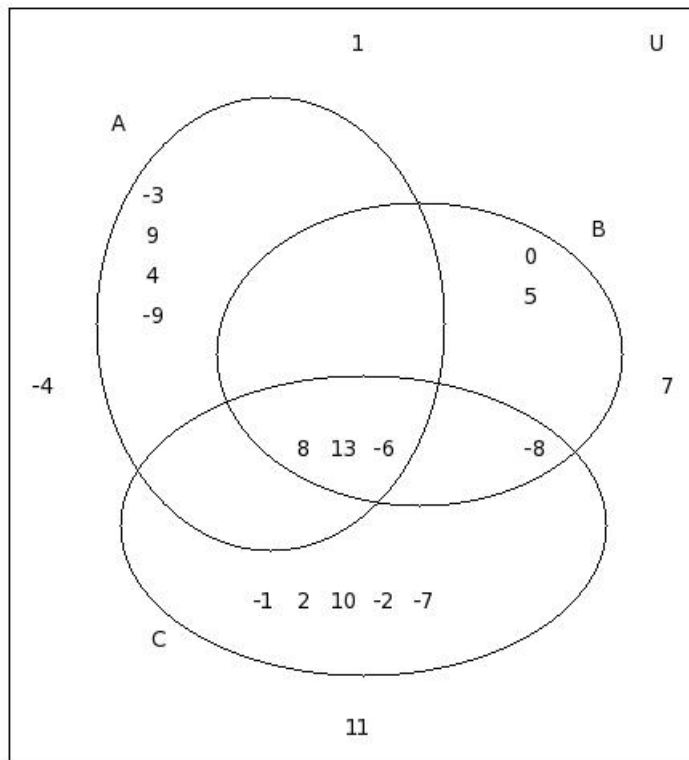


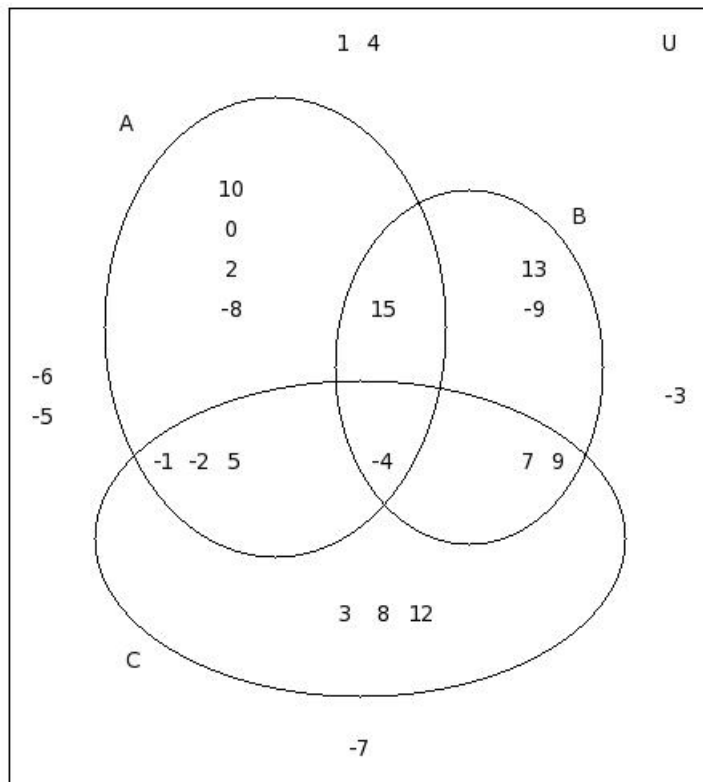
EduSahara™ Learning Center Assignment**Grade : Class VIII, ICSE****Chapter : Sets****Name : Set Subtraction Problems****Licensed To : Teachers and Students for non-commercial use**

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



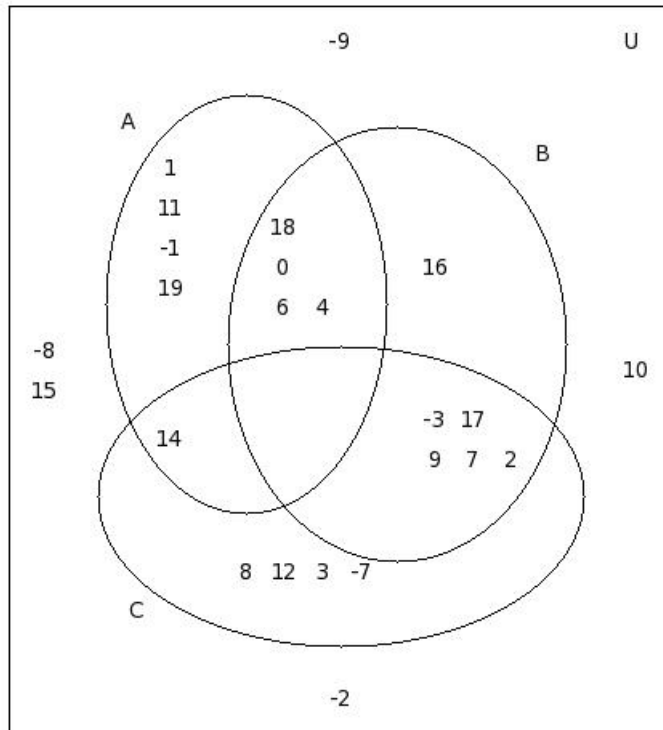
- (i) $\{-3, -9, 9\}$ (ii) $\{4, -9, 9, 7\}$ (iii) $\{-3, 4, -9, 9\}$
(iv) $\{-3, 4, -9, 9, 13\}$ (v) $\{-3, -9, 9, 13\}$
-

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



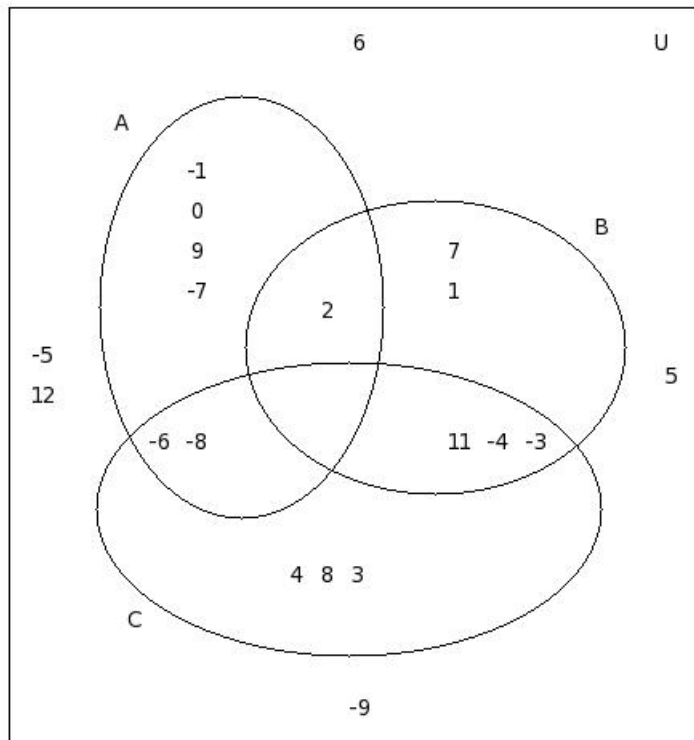
- (i) $\{-9, 13\}$ (ii) $\{-9, 13, 4\}$ (iii) $\{-9, 8\}$ (iv) $\{-9, 4\}$ (v) $\{13\}$

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



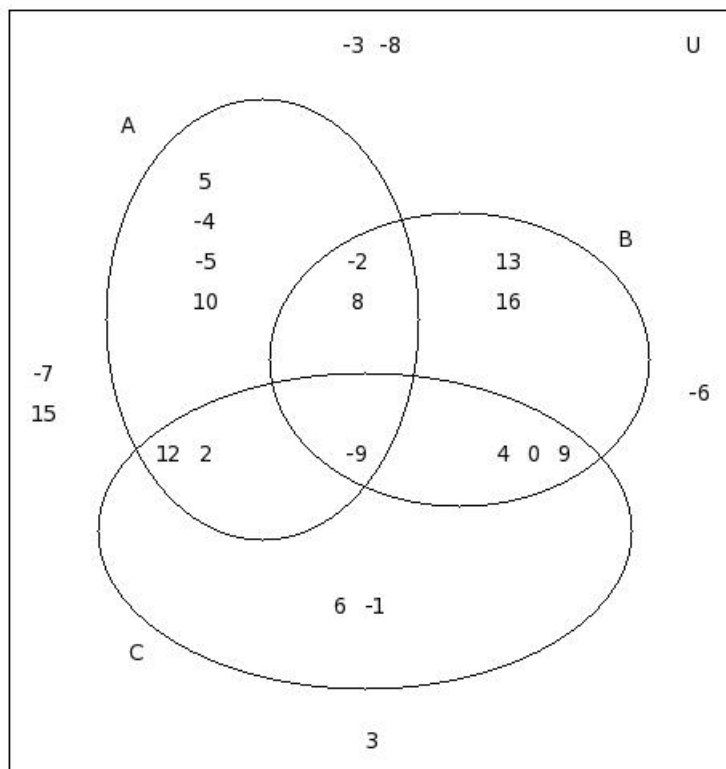
- (i) $\{-7, 8, 3\}$ (ii) $\{12, -7, 8, 3, 9\}$ (iii) $\{12, -7, 8, 6\}$
 (iv) $\{-7, 8, 3, 9\}$ (v) $\{12, -7, 8, 3\}$

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



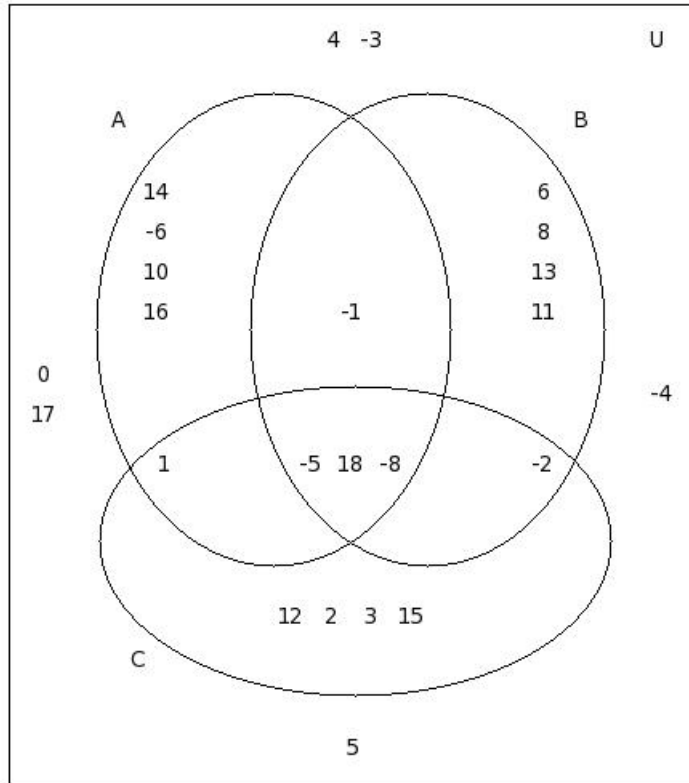
- (i) $\{-6, -8, 2, -7, -1, 9\}$ (ii) $\{-6, -8, 2, -7, 0, -1, 9\}$
 (iii) $\{-8, 2, -7, 0, -1, 9, -9\}$ (iv) $\{-6, 2, -7, 0, -1, 9, 8\}$
 (v) $\{-6, -8, 2, -7, 0, -1, 9, 8\}$

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



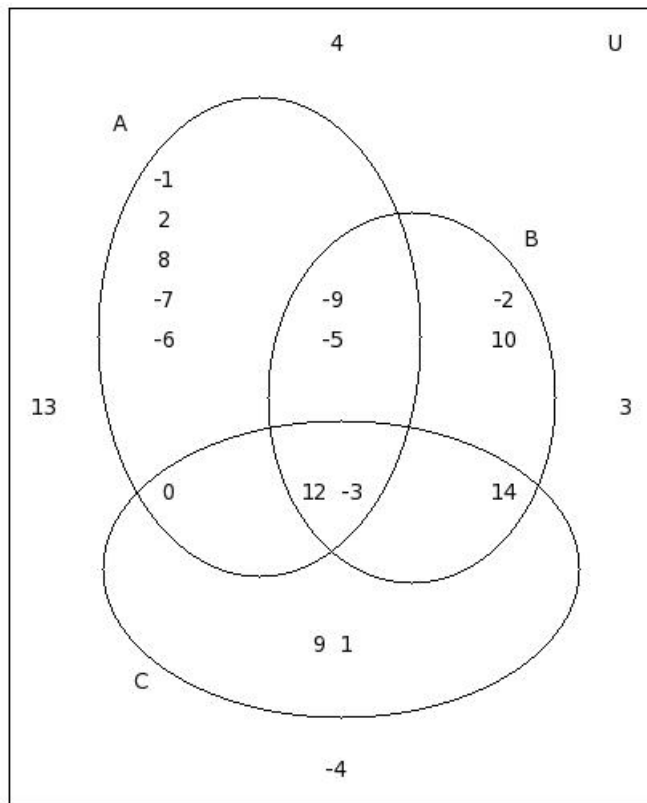
- (i) $\{8,4,16,13,0,9,-2\}$ (ii) $\{8,4,13,0,9,-2\}$
 (iii) $\{8,4,16,13,0,-2,10\}$ (iv) $\{8,4,16,13,0,9,-2,-7\}$
 (v) $\{8,4,16,0,9,-2,-7\}$
-

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



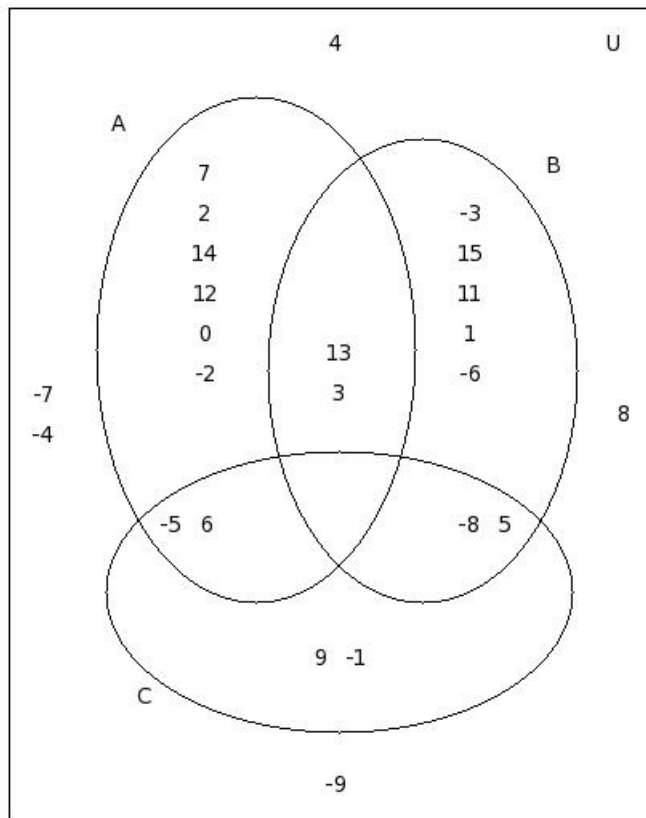
- (i) $\{1,2,12,15,-2\}$ (ii) $\{1,3,2,12,15,-2\}$ (iii) $\{1,3,2,12,15,14\}$
 (iv) $\{1,3,2,12,15,-2,14\}$ (v) $\{1,3,2,12,-2,17\}$
-

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



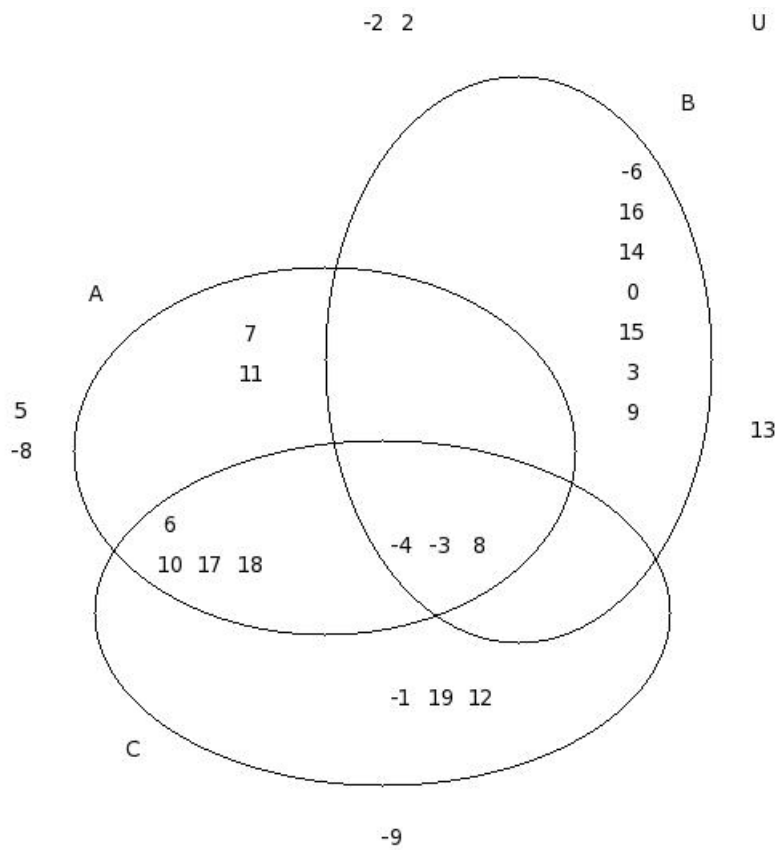
- (i) $\{2, -6, -5, 8, 0, -9, -1, -7\}$ (ii) $\{2, -6, -5, 8, 0, -9, -1, -7, 14\}$
 (iii) $\{2, -6, 8, 0, -9, -1, -7, 14\}$ (iv) $\{2, -6, -5, 0, -9, -1, -7\}$
 (v) $\{2, -6, -5, 8, 0, -9, -7, 4\}$

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



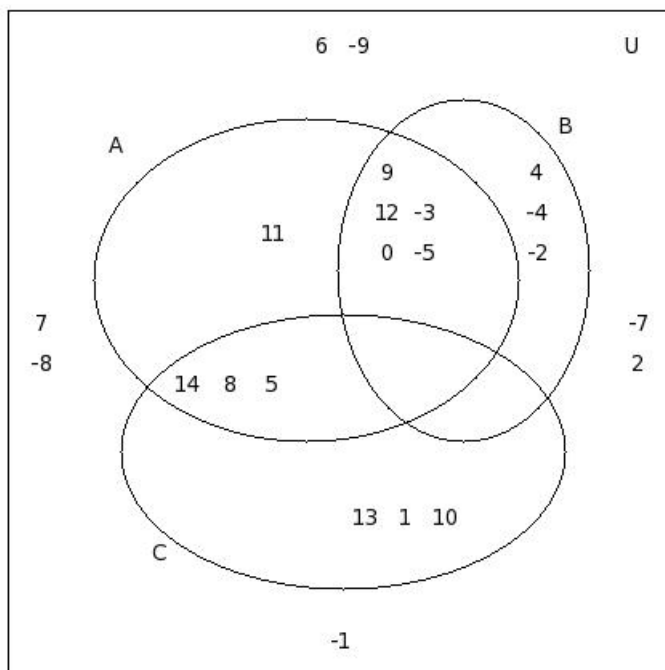
- (i) $\{-6, -8, 1, 15, -3, 11, 3, 5, 7\}$ (ii) $\{-6, -8, 1, 15, -3, 11, 3, 13, 5\}$
 (iii) $\{-6, -8, 1, 15, -3, 3, 13, 5\}$ (iv) $\{-6, -8, 1, 15, -3, 11, 13, 5, 14\}$
 (v) $\{-6, -8, 1, 15, -3, 11, 3, 13, 5, 14\}$

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



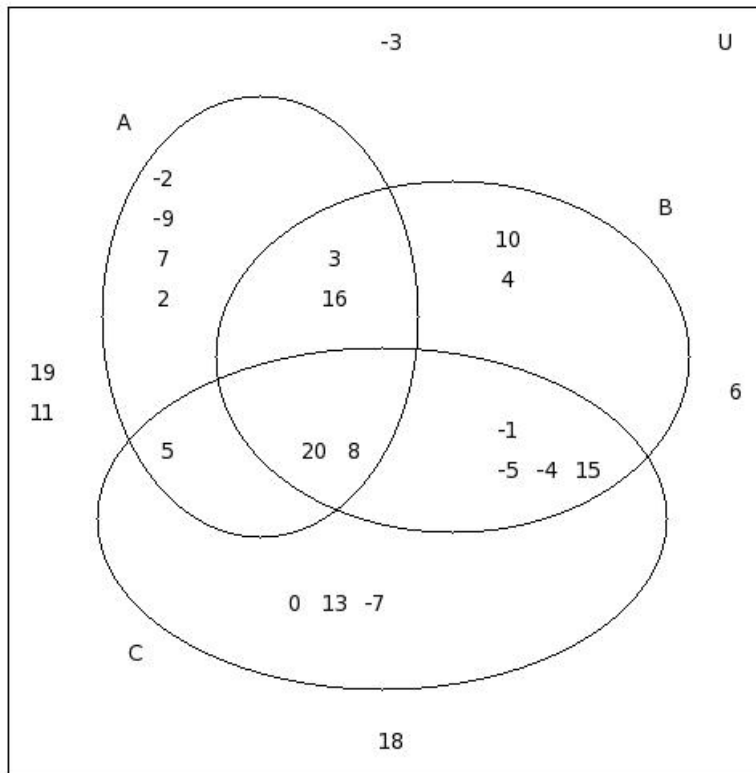
- (i) {6,17,-1,18,12,19,10} (ii) {6,17,-1,18,12,19,10,-9}
 (iii) {6,17,-1,18,12,10,-9} (iv) {6,17,-1,18,12,19}
 (v) {6,17,18,12,19,10,0}

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



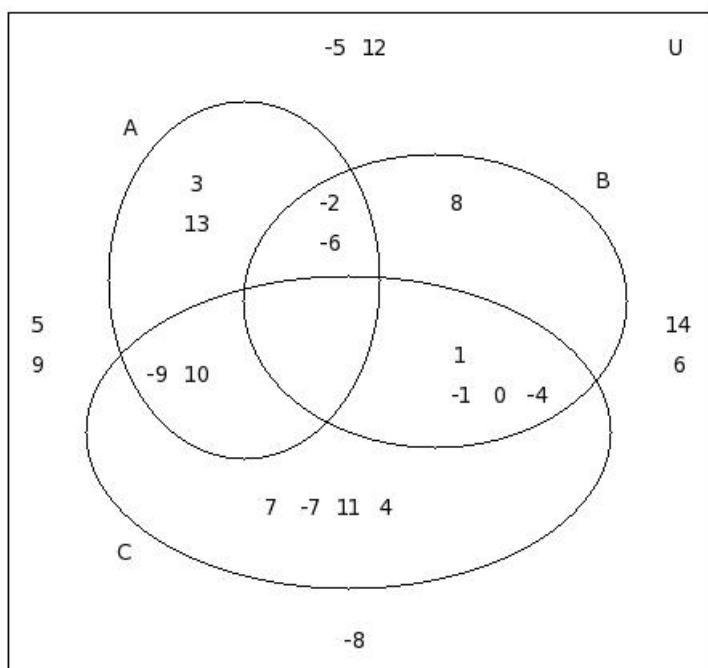
- (i) $\{-2\}$ (ii) $\{-9\}$ (iii) $\{11\}$ (iv) $\{\}$ (v) $\{11, -2\}$

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



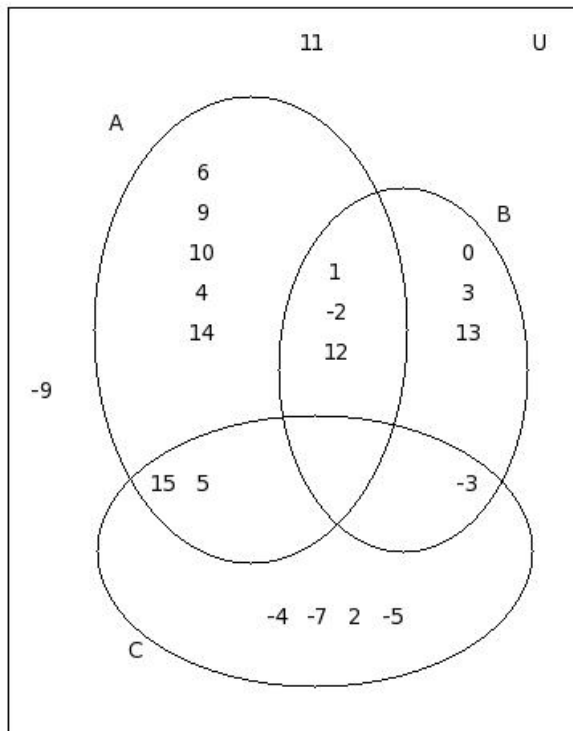
- (i) $\{10, 4, 11\}$ (ii) $\{4, 11\}$ (iii) $\{4\}$ (iv) $\{10, 4\}$ (v) $\{4, 5\}$

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



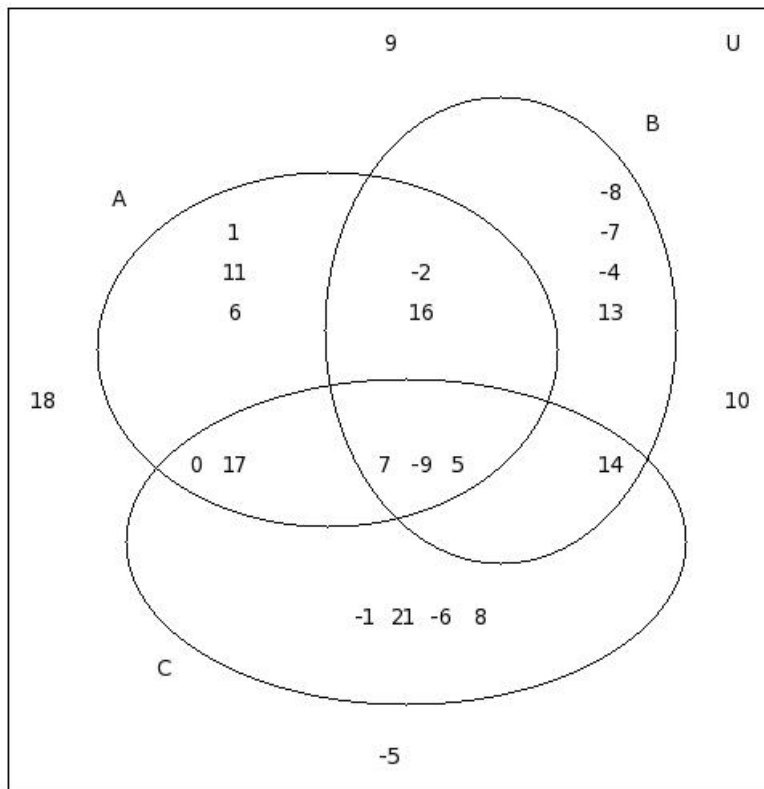
- (i) $\{-7, 4, 7, 13\}$ (ii) $\{-7, 4, 11\}$ (iii) $\{-7, 4, 11, 7, -2\}$
 (iv) $\{-7, 4, 11, 7\}$ (v) $\{-7, 4, 11, -2\}$
-

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



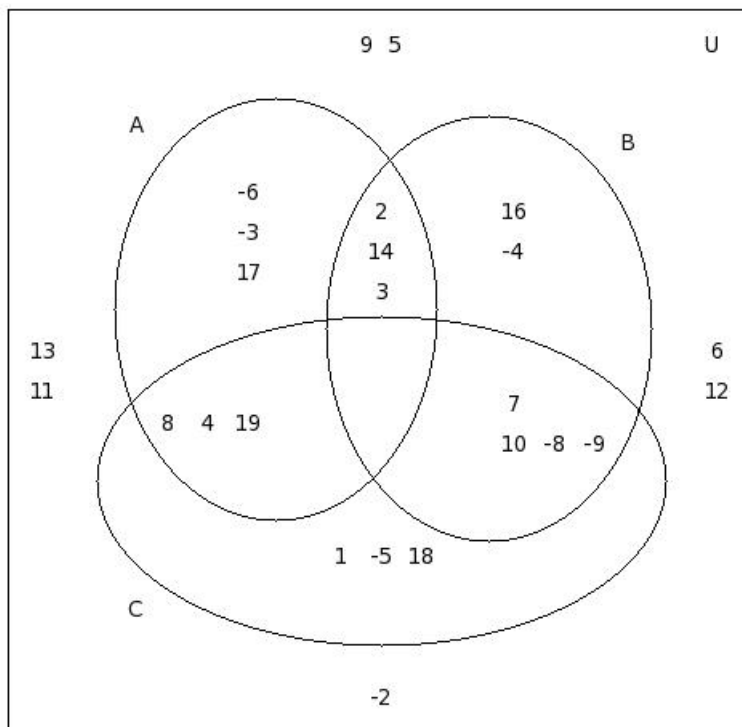
- (i) $\{9, -2, 14, 5, 6, 12, 1, 4, 10\}$ (ii) $\{9, -2, 14, 5, 6, 12, 1, 4, 15, 10, -9\}$
 (iii) $\{9, -2, 14, 5, 6, 12, 1, 4, 15, 10\}$ (iv) $\{9, -2, 5, 6, 12, 1, 4, 15, 10, -9\}$
 (v) $\{9, -2, 14, 6, 12, 1, 4, 15, 10, 3\}$
-

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



- (i) $\{-4, -8, -2, 16, -7, 14, 11\}$ (ii) $\{-4, -8, -2, 16, -7, 14, 21\}$
 (iii) $\{-4, 13, -8, -2, 16, -7, 14\}$ (iv) $\{-4, 13, -8, -2, 16, -7, 14, 21\}$
 (v) $\{13, -8, -2, 16, -7, 14\}$

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



- (i) $\{8,18,10,19,4,-8,1,7,-9,-5\}$ (ii) $\{8,10,19,4,-8,1,7,-9,-5\}$
 (iii) $\{8,18,10,19,4,-8,1,-9,-5,5\}$ (iv) $\{8,18,10,19,4,-8,7,-9,-5,-6\}$
 (v) $\{8,18,10,19,4,-8,1,7,-9,-5,5\}$
-

If $\mu = \{7,9,8,4,-7,2,10,6,-5,-3,-2,5,-4,0,-1,-9,1\}$,

16. $A = \{7,9,8,4,-7,2\}$, $B = \{10,6,4,-5,-3,8,9,-2\}$,
 $C = \{-5,-7,6,5,8,9\}$, find $A - (B \cup C)$
 (i) $\{7\}$ (ii) $\{7,0\}$ (iii) $\{2,4\}$ (iv) $\{2,7,0\}$ (v) $\{2,7\}$
-

If $\mu = \{0,5,9,6,-1,-2,2,-4,1,-9,-3,4,-7,8,-8,-5,7,3,-6\}$,

17. $A = \{0,5,9,6,-1,-2,2\}$, $B = \{-4,1,-9,-3,4,0,-7\}$,
 $C = \{-9,1,-7,8,2,-8\}$, find $B - (C \cup A)$
 (i) $\{4,-4\}$ (ii) $\{4,-3,-4,-5\}$ (iii) $\{4,-3,-5\}$ (iv) $\{4,-3\}$ (v) $\{4,-3,-4\}$
-

If $\mu = \{7,-8,6,-6,9,-3,8,0,11,-2,10,-5,5,4,-7,-1,2,-9,3\}$,

18. $A = \{7,-8,6,-6,9,-3\}$, $B = \{8,-8,0,11,-2,10\}$,
 $C = \{11,0,-5,-6,-8,10,9,5,4\}$, find $C - (A \cup B)$
 (i) $\{-5,4\}$ (ii) $\{5,-5\}$ (iii) $\{5,-5,4\}$ (iv) $\{5,-5,4,8\}$ (v) $\{-5,4,8\}$
-

If $\mu = \{-6,-5,7,-7,1,0,3,8,-8,5,-2,-1,-4,11,6,9,10,2,-3,-9\}$,

19. $A = \{-6,-5,7,-7,1,0\}$, $B = \{3,8,-5,-8,0,5\}$,
 $C = \{-2,0,-1,3,-4,11,6,9\}$, find $A - (B \cap C)$
 (i) $\{-5,-6,1,7,-7\}$ (ii) $\{-6,1,7,-7,0\}$ (iii) $\{-5,-6,1,-7\}$
 (iv) $\{-6,1,7,-7\}$ (v) $\{-5,-6,1,7,-7,0\}$
-

If $\mu = \{13,-1,4,-5,7,3,-8,8,15,0,1,10,12,16,-3,5,14,-4,6,-9,2,9,11,-2\}$,

20. $A = \{13,-1,4,-5,7,3,-8,8,15,0\}$, $B = \{7,1,15,8,10,12\}$,
 $C = \{7,-8,12,16,0,3,-5,-3,5\}$, find $B - (C \cap A)$
 (i) $\{12,15,10,8,13\}$ (ii) $\{1,12,15,10,8,-8\}$ (iii) $\{1,12,15,10,8\}$
 (iv) $\{1,12,10,8,-8\}$ (v) $\{1,12,10,8\}$
-

If $\mu = \{15,-8,-4,3,5,-6,-3,16,-9,9,7,-7,14,-1,4,1,10,0,11,13,6,2,-5\}$,

21. $A = \{15,-8,-4,3,5,-6,-3,16,-9,9\}$, $B = \{7,-7,-9,5,16,-6,14,-1,-3\}$,
 $C = \{4,-1,-4,1,3,10\}$, find $C - (A \cap B)$

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

If $\mu = \{-6, 10, 0, -5, -1, 4, 12, 13, -7, 8, 7, -3, 9, 11, -8, 14, 3, 6, -2, 1\}$,

22. $A = \{-6, 10, 0, -5, -1, 4, 12\}$, $B = \{13, -7, -1, 4, 8, 7, -3, 9, 12, 11\}$,

$C = \{-3, -7, 10, -1, 0, 4\}$, find $A - (A \cap (B \cap C))$

- (i) $\{-6, 10, 0, -5\}$ (ii) $\{-6, 10, -5, 12, 3\}$ (iii) $\{-6, 10, -5, 12\}$
 (iv) $\{-6, 10, 0, -5, 12, 3\}$ (v) $\{-6, 10, 0, -5, 12\}$
-

If $\mu = \{-4, -8, 9, 2, 4, -1, -6, -7, 0, 17, 1, 5, -3, -5, 15, 13, -9, 8, 11, -2, 10, 7, 6, 12\}$,

23. $A = \{-4, -8, 9, 2, 4, -1, -6, -7, 0, 17\}$, $B = \{1, 5, -3, -5, 15, 13, -9\}$,

$C = \{-5, -7, 17, 15, -8, 0, 8, 11, -2\}$, find $B - (A \cap (B \cap C))$

- (i) $\{13, -3, -5, 15, 1, -9, -7\}$ (ii) $\{13, -3, -5, 15, 1, -9\}$
 (iii) $\{13, -3, -5, 5, 1, -9\}$ (iv) $\{13, -3, -5, 15, 5, 1, -9, -7\}$
 (v) $\{13, -3, -5, 15, 5, 1, -9\}$
-

If $\mu = \{4, 1, -2, 7, 11, -1, 3, 2, 6, -8, -9, 12, 8, -3, -4, 13, -5, 5, -6, -7, 9, 10\}$,

24. $A = \{4, 1, -2, 7, 11, -1, 3, 2, 6\}$, $B = \{6, -2, -8, -9, 12, 4\}$,

$C = \{8, 4, -3, -1, -4, 2, -8\}$, find $C - (A \cap (B \cap C))$

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

If $\mu = \{10, 6, 9, -2, 5, 7, -3, 18, 11, 12, 15, 4, -6, 8, 0, 19, -7, 1, -5, 2, -8, 14, -9\}$,

25. $A = \{10, 6, 9, -2, 5, 7, -3, 18\}$, $B = \{11, 12, -2, 15, 18, 4, -6, 8, 0, 19\}$,

$C = \{-3, -7, 10, 1, 4, 12, -5, 5, 9, 2\}$, find $(A - B) \cap (A - C)$

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

If $\mu = \{9, -6, -1, 11, 12, 5, -9, 6, -7, -4, 7, 0, 1, 4, -8, 10, -2, -5, 13, 2\}$,

26. $A = \{9, -6, -1, 11, 12, 5\}$, $B = \{-9, 6, 12, -7, -4, 7, 0, 11, 1, -6\}$,

$C = \{-4, 5, 1, 4, -6, -8\}$, find $(B - C) \cap (B - A)$

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

If $\mu = \{8, -9, 10, 14, 6, 9, 12, -7, 11, 3, -6, 2, 5, -5, -2, -8, -1, -3, 0, 4, -4, 13\}$,

27. $A = \{8, -9, 10, 14, 6, 9, 12, -7\}$, $B = \{8, 11, 3, 12, -6, 2, 5, -5\}$,

$C = \{2, -2, -8, -1, 8, 5, -3\}$, find $(C - A) \cap (C - B)$

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

If $\mu = \{13,14,3,-9,6,11,-6,4,8,-7,7,10,-5,-1,9,1,0,-8,12,-2,2,-4\}$,

28. $A = \{13,14,3,-9,6,11,-6,4\}$, $B = \{13,3,8,-6,-7,7,-9\}$,

$C = \{10,-5,-9,7,-7,-1,13,9\}$, find $(A - B) \cup (A - C)$

- (i) $\{3,-6,4,6,11,14,12\}$ (ii) $\{3,-6,4,6,11,14\}$ (iii) $\{3,4,6,11,14\}$
 (iv) $\{3,4,6,11,14,12\}$ (v) $\{3,-6,4,6,14,-1\}$
-

If $\mu = \{-2,5,-3,12,11,-4,6,9,16,1,-7,10,13,8,-5,-6,-1,-8,4,2,0,-9,3\}$,

29. $A = \{-2,5,-3,12,11,-4,6,9,16,1\}$, $B = \{-2,9,11,-7,10,12\}$,

$C = \{-3,9,13,8,6,-5,-6,-1,12\}$, find $(B - C) \cup (B - A)$

- (i) $\{-7,11,-2,16\}$ (ii) $\{10,11,-2\}$ (iii) $\{10,-7,11,-2\}$
 (iv) $\{10,-7,11,-2,16\}$ (v) $\{-7,11,-2\}$
-

If $\mu = \{-4,-8,14,2,11,3,1,13,0,15,8,-6,9,-7,-9,7,-1,-2,4,12,-3,-5\}$,

30. $A = \{-4,-8,14,2,11,3,1,13\}$, $B = \{-8,0,15,-4,8,-6,9\}$,

$C = \{-4,-8,8,0,-7,-9,7,2,9\}$, find $(C - A) \cup (C - B)$

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

Assignment Key

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