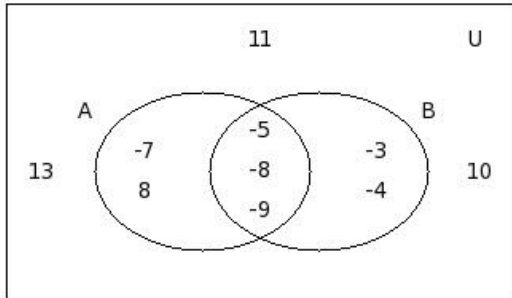


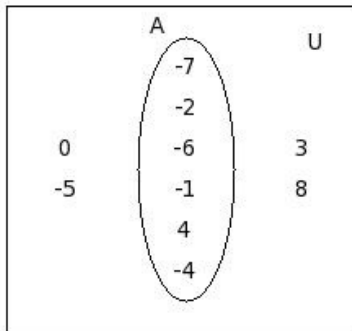


1. $A \cup B =$



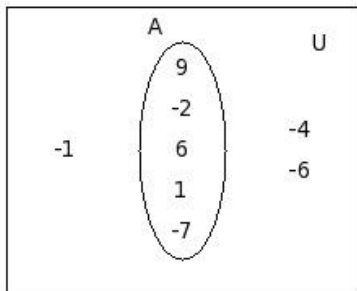
- (i) $\{-8,-5,-4,-7,8,-9,-3\}$ (ii) $\{13,-3,8,-5,-4,-7,-8\}$ (iii) $\{8,-7,-9,10,-4,-8,-3,-5\}$ (iv) $\{-9,-7,-4,-8,8,-3\}$
 (v) $\{-3,-5,-8,8,-4,-7\}$

2. Find A



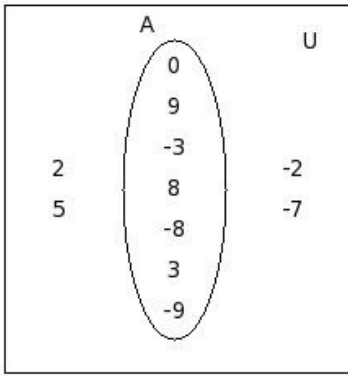
- (i) $\{-2,4,-4,-7,-6,-1\}$ (ii) $\{-6,4,3,2,1,-7,0\}$ (iii) $\{-6,4,-7,-2,3\}$ (iv) $\{-7,-1,4,-2,-6\}$ (v) $\{3,-6,1,-7,0\}$

3. Find \emptyset



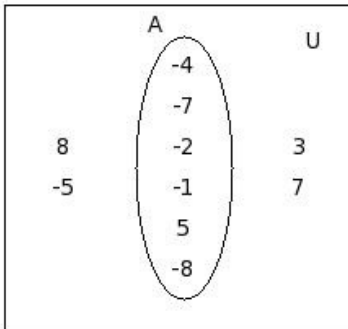
- (i) $\{-1\}$ (ii) $\{1,3,-1,2\}$ (iii) $\{3,1\}$ (iv) $\{3\}$ (v) $\{\}$

4. Find $A \cup A$



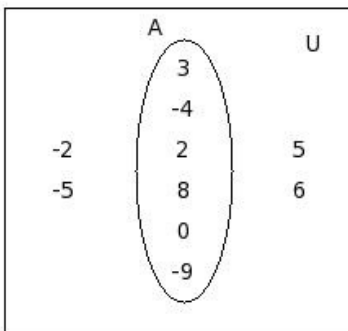
- (i) $\{-9, -8, -3, 9, 8, 0\}$ (ii) $\{-3, 0, -8, 3, -9, 8, 9\}$ (iii) $\{-1, 8, -8, -5, 0, -10, 5, 9\}$ (iv) $\{9, 8, -5, -1, -8, -10\}$ (v) $\{\}$

5. Find $A \cup \emptyset$



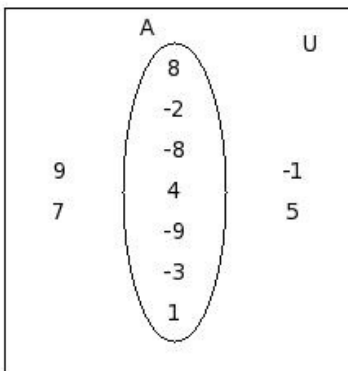
- (i) $\{-7, 0, -4, -5, -3, 5, 2\}$ (ii) $\{-5, -7, 5, -4, -3\}$ (iii) $\{-3, -8, -1, 5, -4\}$ (iv) $\{-8, -4, -1, -7, 5\}$ (v) $\{-8, 5, -4, -1, -2, -7\}$

6. Find $A \cap A$



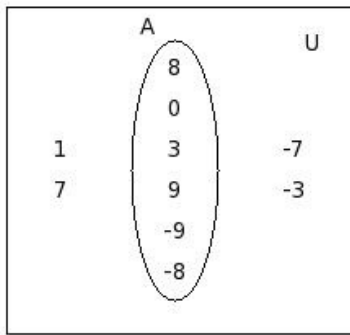
- (i) $\{-4, -9, 2, 3, 0, 8\}$ (ii) $\{-4, 0, 8, -9, 4\}$ (iii) $\{-9, -2, 3, 12, 0\}$ (iv) $\{0, -2, 3, -1, -9, 12, 1\}$ (v) $\{-4, 0, 3, -9, 8\}$

7. Find $A \cap \emptyset$



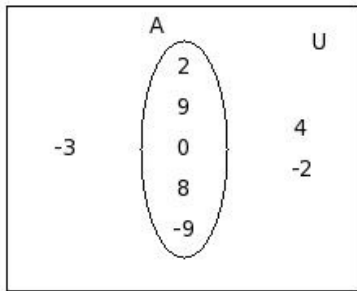
- (i) $\{\}$ (ii) $\{2, 9\}$ (iii) $\{9, 2, 3, 5\}$ (iv) $\{4\}$ (v) $\{9\}$

8. Find $n(A)$



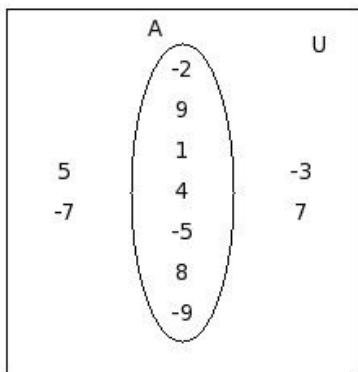
- (i) 7 (ii) 8 (iii) 5 (iv) 4 (v) 6

9. Find $n(\emptyset)$



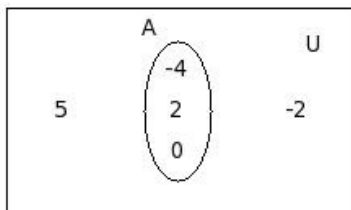
- (i) 1 (ii) 0 (iii) (-2) (iv) 2 (v) (-1)

10. Find $n(A \cup A)$



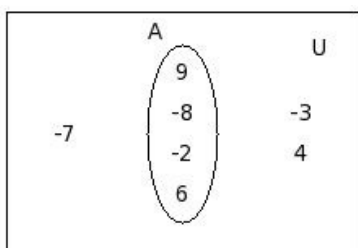
- (i) 6 (ii) 7 (iii) 8 (iv) 5 (v) 10

11. Find $n(A \cup \emptyset)$



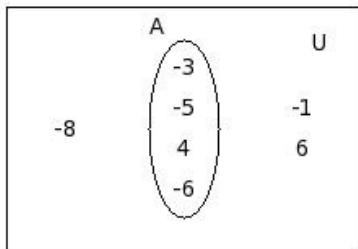
- (i) 4 (ii) 6 (iii) 2 (iv) 3 (v) 0

12. Find $n(A \cap A)$



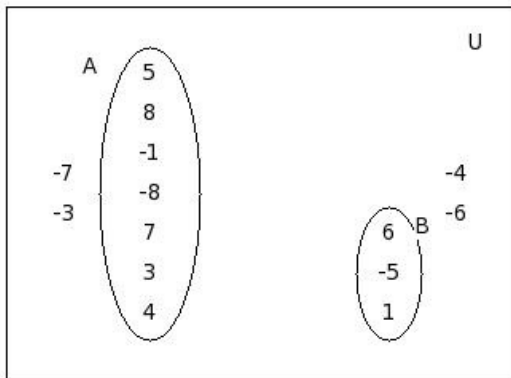
- (i) 5 (ii) 3 (iii) 2 (iv) 4 (v) 6

13. Find $n(A \cap \emptyset)$



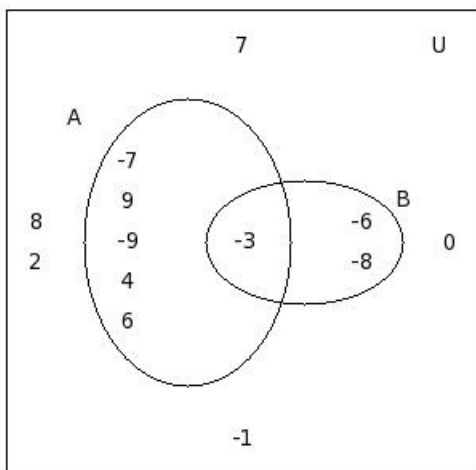
- (i) 0 (ii) 3 (iii) $\{-1\}$ (iv) $\{-3\}$ (v) 1

14. Find A



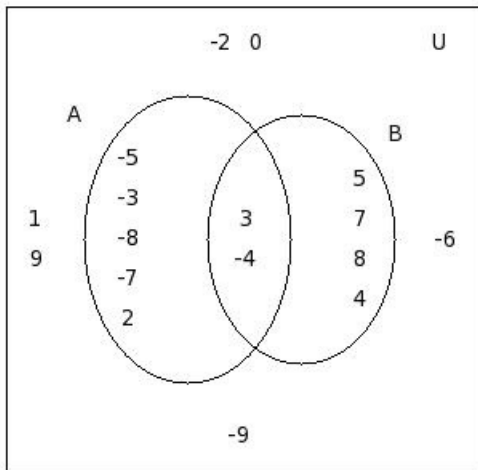
- (i) $\{-6, -8, 5, 4, 8, 3, 7, -1\}$ (ii) $\{7, 5, 3, 8, 4, -8\}$ (iii) $\{\}$ (iv) $\{-1, 7, 5, -8, 8, -4, 4\}$ (v) $\{7, 8, 5, 4, -8, 3, -1\}$

15. Find B



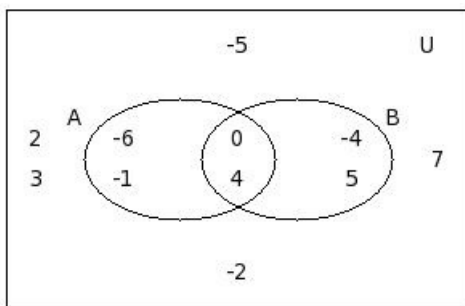
- (i) $\{-6, -8, -1\}$ (ii) $\{-6, -8\}$ (iii) $\{-6, -3, -8\}$ (iv) $\{-8, -3, -6, 2\}$ (v) $\{-8, -3\}$

16. Find $A \cup B$



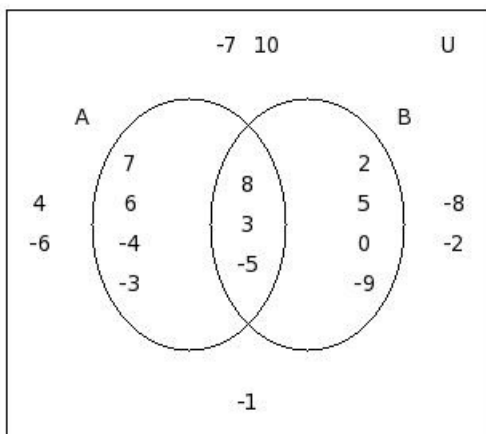
- (i) $\{-7, 7, 3, 8, -5, -3, 5, 2, 4, -8, -4\}$ (ii) $\{-3, 3, -5, 4, -4, 2, -7, -8, 5, 7\}$ (iii) $\{8, -5, 2, 7, 3, -3, 4, -8, 9, -7, -4\}$
 (iv) $\{-3, 7, 4, 8, -8, -4, 2, -7, -5, 3, -9, 5\}$ (v) $\{-7, -4, -5, 3, 4, -3, 5, 8, 7, 2\}$

17. Find $A \cap B$



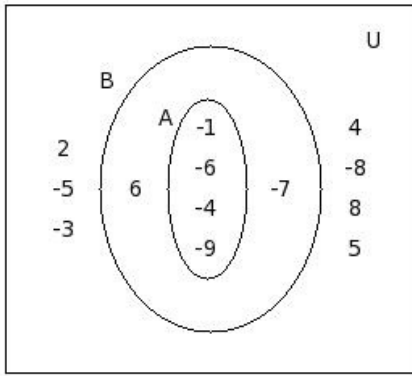
- (i) $\{0, -5\}$ (ii) $\{0, 7, 4\}$ (iii) $\{0, 4\}$ (iv) $\{\}$ (v) $\{4\}$

18. Find $n(A)$



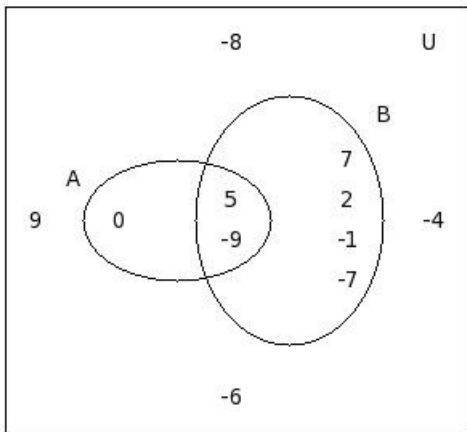
- (i) 10 (ii) 5 (iii) 8 (iv) 6 (v) 7

19. Find $n(B)$



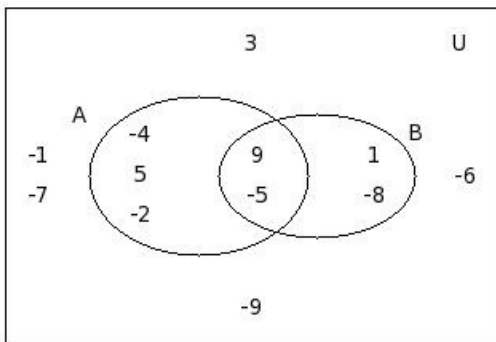
- (i) 8 (ii) 7 (iii) 5 (iv) 3 (v) 6

20. Find $n(A \cup B)$



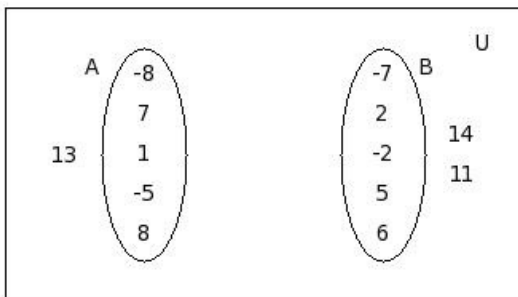
- (i) 8 (ii) 10 (iii) 7 (iv) 5 (v) 6

21. Find $n(A \cap B)$



- (i) 3 (ii) 2 (iii) 1 (iv) 4 (v) (-1)

22. $A \cap B =$



- (i) {8} (ii) {} (iii) {13} (iv) {-7} (v) {-2,1}

Assignment Key

1) (i)	2) (i)	3) (v)	4) (ii)	5) (v)	6) (i)
7) (i)	8) (v)	9) (ii)	10) (ii)	11) (iv)	12) (iv)
13) (i)	14) (v)	15) (iii)	16) (i)	17) (iii)	18) (v)
19) (v)	20) (iii)	21) (ii)	22) (ii)		