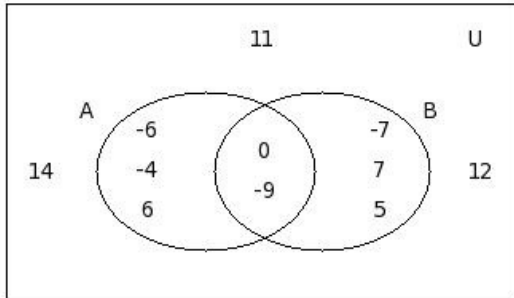


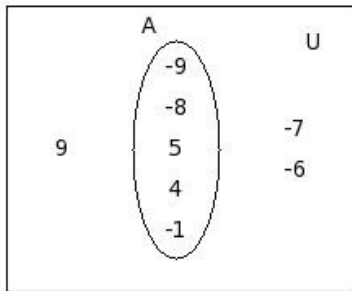


1. $A \cup B =$



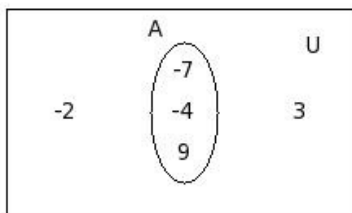
- (i) $\{7, -6, -7, -9, 0, -4, 5, 6\}$ (ii) $\{-7, -4, 6, 0, 5, -9, 7\}$ (iii) $\{6, -9, -6, -4, 0, -7, 5\}$ (iv) $\{6, -6, -9, -7, 5, -4, 7, 0, 14\}$
 (v) $\{6, -7, 0, -9, 12, -6, 5, -4\}$

2. Find A



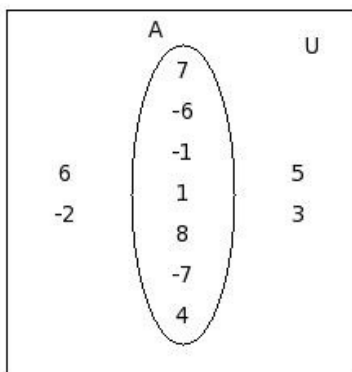
- (i) $\{-12, 12, 4, -9\}$ (ii) $\{3, 0, 12, -9, -12, 4\}$ (iii) $\{\}$ (iv) $\{-8, 5, -9, 4\}$ (v) $\{5, -8, -9, -1, 4\}$

3. Find \emptyset



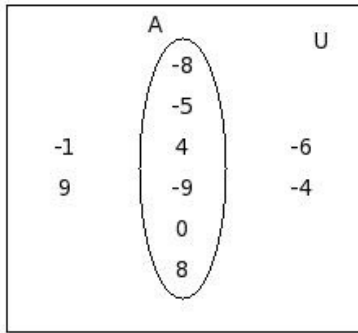
- (i) $\{\}$ (ii) $\{3, 6\}$ (iii) $\{6\}$ (iv) $\{-1, 6, 4, 3\}$ (v) $\{4\}$

4. Find $A \cup A$



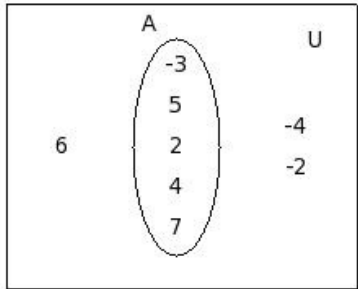
- (i) $\{-1, -6, -7, 7, 4, 1\}$ (ii) $\{5, 3, 1, 4, 7, -7, -3, -4\}$ (iii) $\{\}$ (iv) $\{1, -7, 7, 4, 8, -6, -1\}$ (v) $\{-4, 4, -3, 1, 7, -7\}$

5. Find $A \cup \emptyset$



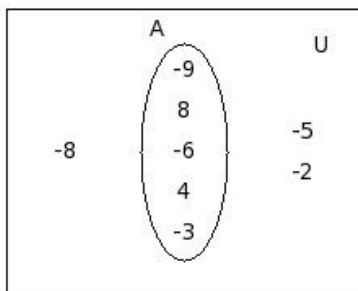
- (i) $\{-5, 4, 0, -9, -8, 8\}$ (ii) $\{8, -5, -8, -9, 4\}$ (iii) $\{4, -9, 9, -6, 3, 13, -7\}$ (iv) $\{-7, -9, -6, 13, 9\}$ (v) $\{-5, -9, 8, 9, -8\}$

6. Find $A \cap A$



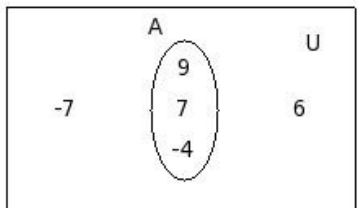
- (i) $\{-3, 4, 5, 7, 2\}$ (ii) $\{1, 2, 3, 9, -3, 5\}$ (iii) $\{9, 1, 2, -3\}$ (iv) $\{\}$ (v) $\{4, -3, 2, 5\}$

7. Find $A \cap \emptyset$



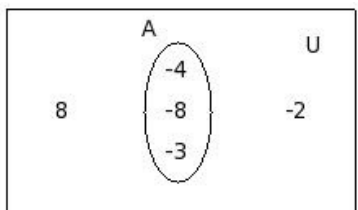
- (i) $\{0, 1, 5, 2\}$ (ii) $\{-1\}$ (iii) $\{\}$ (iv) $\{5, 2\}$ (v) $\{2\}$

8. Find $n(A)$



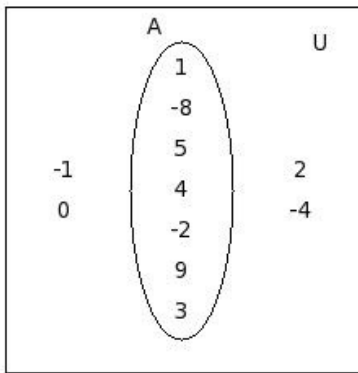
- (i) 0 (ii) 2 (iii) 6 (iv) 4 (v) 3

9. Find $n(\emptyset)$



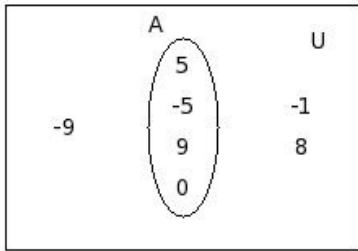
- (i) $\{-3\}$ (ii) 0 (iii) 3 (iv) 1 (v) $\{-1\}$

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



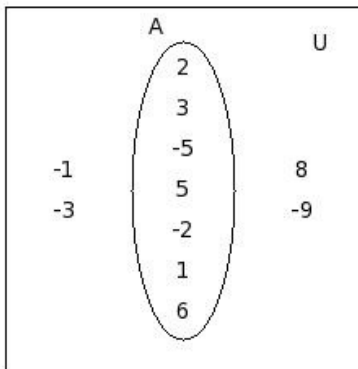
- (i) 8 (ii) 6 (iii) 5 (iv) 7 (v) 10

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



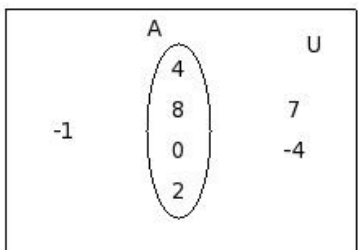
- (i) 1 (ii) 3 (iii) 4 (iv) 5 (v) 6

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



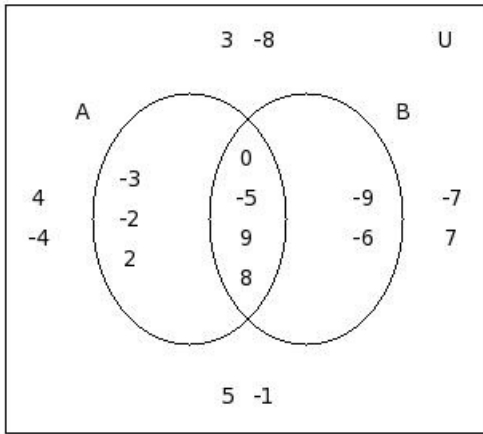
- (i) 4 (ii) 7 (iii) 8 (iv) 9 (v) 6

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



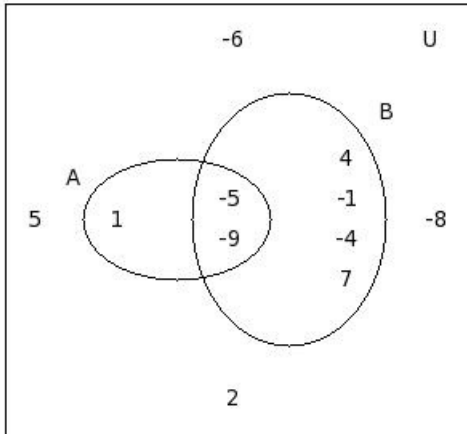
- (i) (-1) (ii) 1 (iii) 0 (iv) (-2) (v) 2

14. Find A



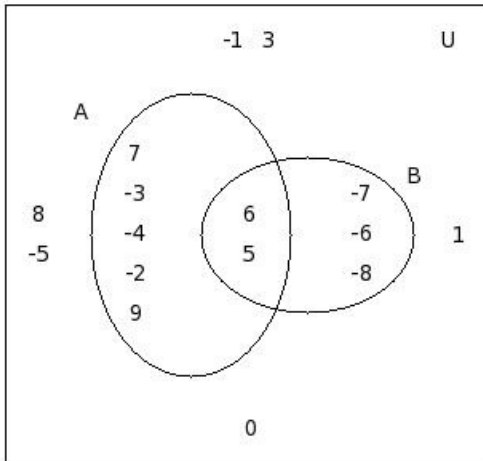
- (i) $\{8, -3, 2, 7, 0, -2, -5, 9\}$ (ii) $\{-3, -8, 8, 0, 9, -2, -5\}$ (iii) $\{2, 0, 9, -2, 8, -3\}$ (iv) $\{-5, 0, -3, 8, 2, -2, 9\}$ (v) $\{9, 2, 8, -5, 0, -2\}$

15. Find B



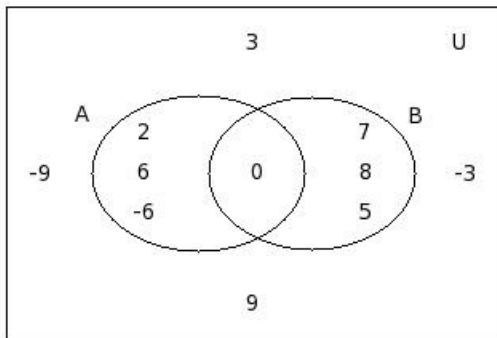
- (i) $\{-9, -4, -5, 5, -1, 4, 7\}$ (ii) $\{-1, -5, 7, -4, 4\}$ (iii) $\{7, 4, -1, -5, -9, -4\}$ (iv) $\{-9, 7, 4, -4, -5\}$ (v) $\{-5, 7, -4, -1, 5, 4\}$

16. Find $A \cup B$



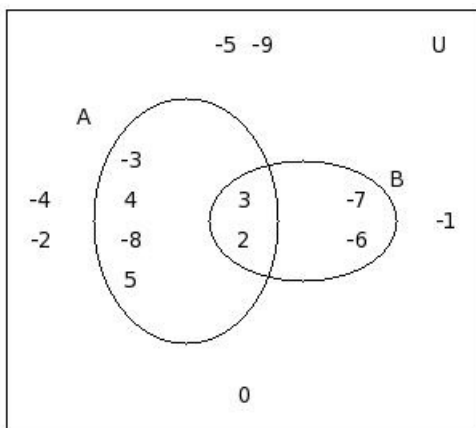
- (i) $\{-7, -4, -6, 7, -8, -2, -3, 9, 5\}$ (ii) $\{-3, 9, -7, 0, 5, -8, -2, 7, 6, -4\}$ (iii) $\{9, -8, -6, -7, -4, -2, 7, 6, 5, -3\}$
 (iv) $\{-7, -8, -6, 7, -4, -3, 6, -2, 9, 0, 5\}$ (v) $\{-2, -6, -3, 5, -8, -7, 6, 7, -4\}$

17. Find $A \cap B$



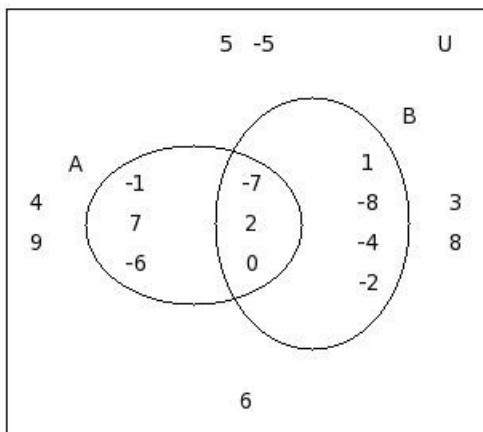
- (i) $\{\}$ (ii) $\{0,9\}$ (iii) $\{0\}$ (iv) $\{9\}$

18. Find $n(A)$



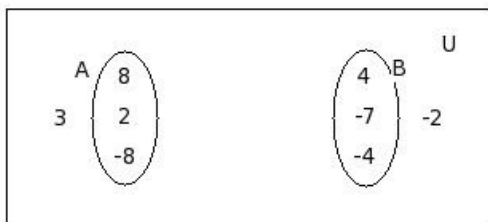
- (i) 5 (ii) 6 (iii) 7 (iv) 9 (v) 4

19. Find $n(B)$



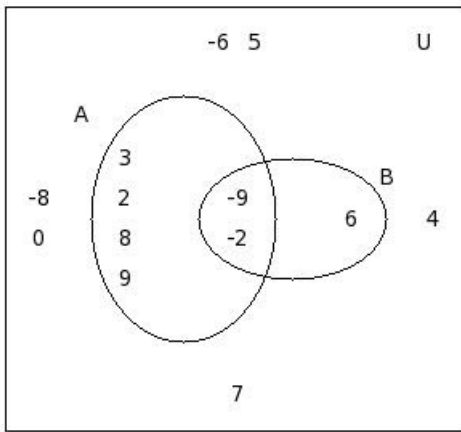
- (i) 8 (ii) 4 (iii) 6 (iv) 9 (v) 7

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



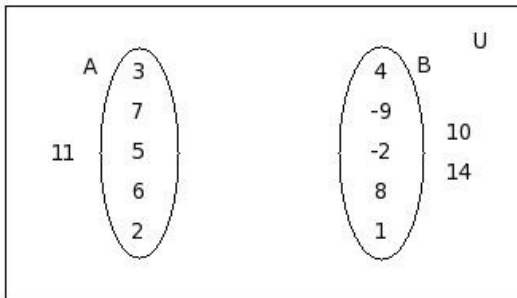
- (i) 3 (ii) 6 (iii) 9 (iv) 5 (v) 7

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



- (i) 1 (ii) 2 (iii) 0 (iv) 5 (v) 3

22. $A \cap B =$



- (i) {2} (ii) {} (iii) {6,-2} (iv) {11} (v) {-2}

Assignment Key

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