



1. Which of the following diagrams represent equivalent sets?

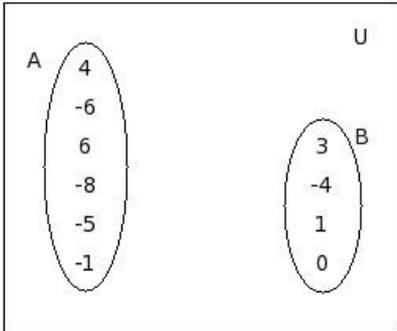


figure 1

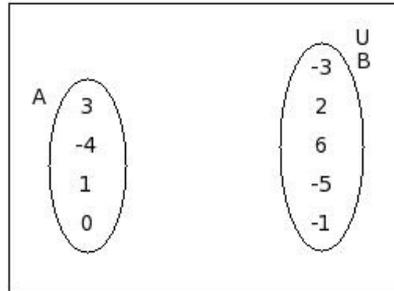


figure 2

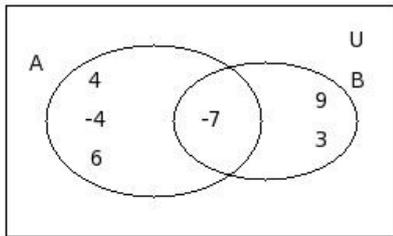


figure 3

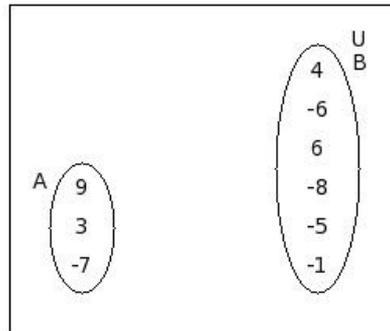


figure 4

- (i) figure 1 (ii) figure 2 (iii) None of the above (iv) figure 3 (v) figure 4

2. Which of the following diagrams represent equal sets?

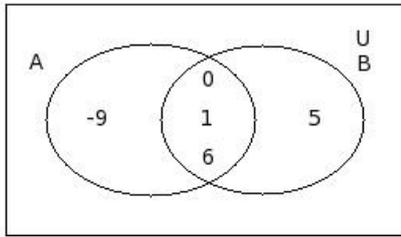


figure 1

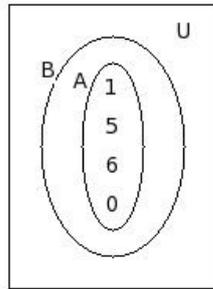


figure 2

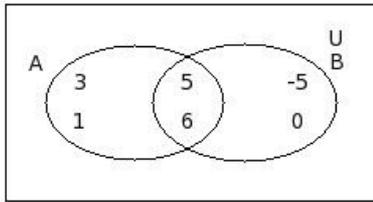


figure 3

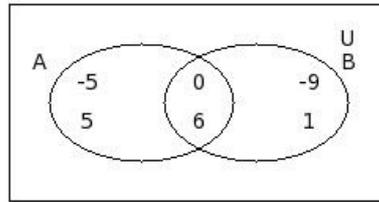


figure 4

(i) figure 3 (ii) figure 1 (iii) figure 4 (iv) figure 2

3. Which of the following diagrams represent 'A is subset of B'?

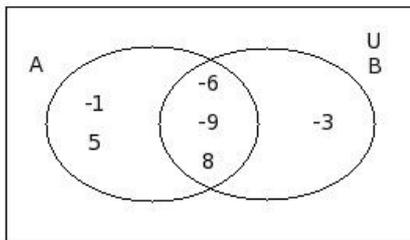


figure 1

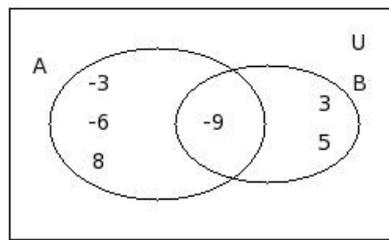


figure 2

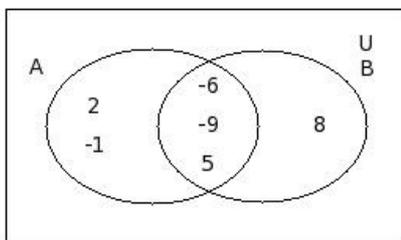


figure 3

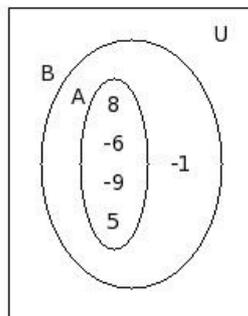
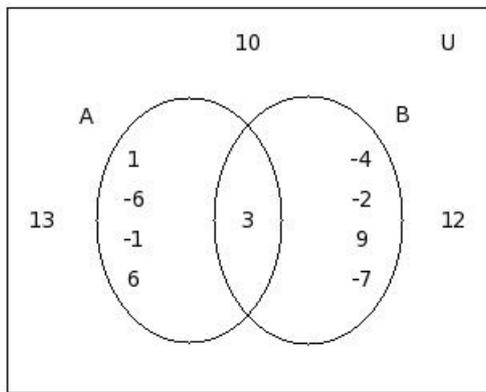


figure 4

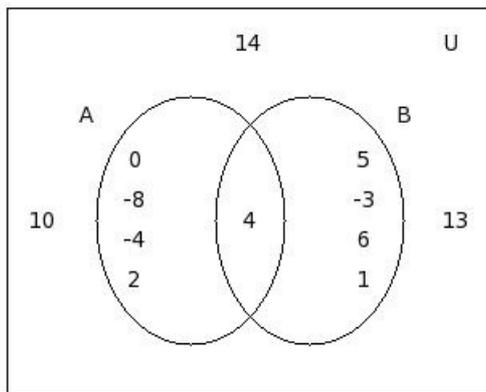
(i) figure 1 (ii) figure 2 (iii) figure 4 (iv) figure 3

4. $A \cup B =$



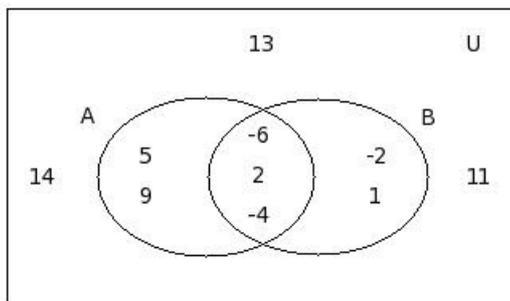
- (i) $\{-1, -6, 9, -4, 1, 3, -7, 6\}$ (ii) $\{3, 6, 9, -6, -7, -2, -4, -1\}$ (iii) $\{6, -2, 9, 1, -1, 3, -7, -6, -4\}$ (iv) $\{1, -4, 3, -1, 6, -6, 10, -2, -7\}$
 (v) $\{-6, 6, 13, 1, -4, -7, -2, 3, -1, 9\}$

5. $A \cap B =$



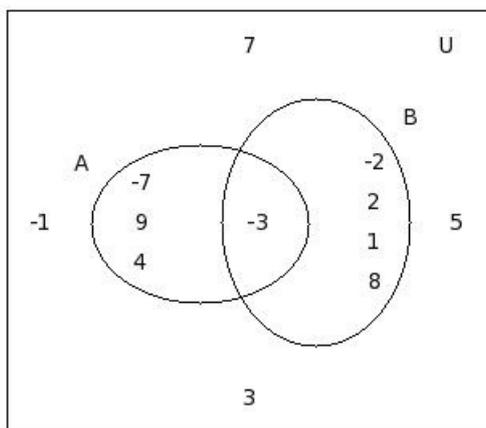
- (i) $\{4\}$ (ii) $\{5, 4\}$ (iii) $\{-4, 4, -8\}$ (iv) $\{13, 4\}$ (v) $\{-4, 4\}$

6. $A - B =$



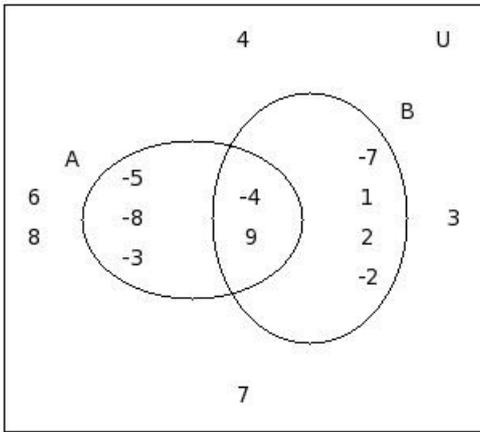
- (i) $\{9, 14, 5\}$ (ii) $\{9, 5, 2\}$ (iii) $\{5\}$ (iv) $\{5, 9\}$ (v) $\{1, -2\}$

7. Find A



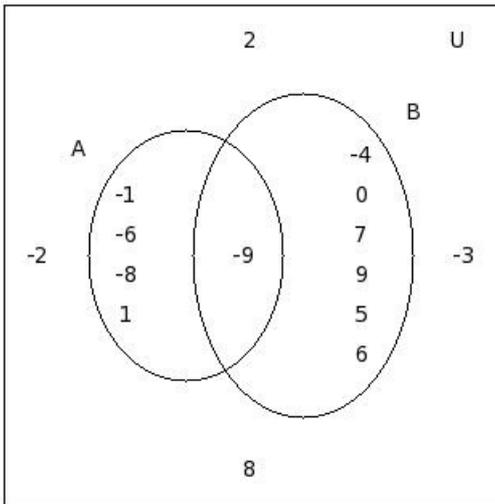
- (i) $\{9, 4, -7\}$ (ii) $\{4, 5, -3, 9\}$ (iii) $\{9, -7, -3\}$ (iv) $\{4, -7, -3, 9\}$ (v) $\{9, -1, 4, -3, -7\}$

8. Find B



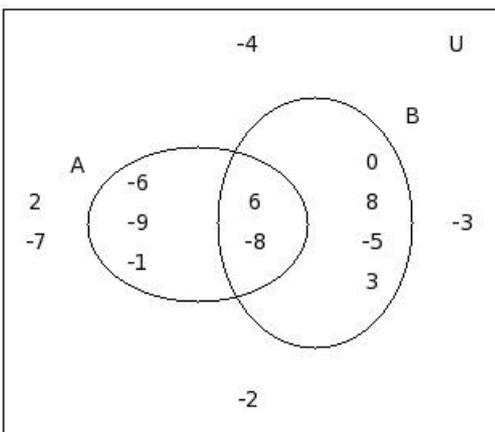
- (i) $\{-2, 2, 9, -7, 1, 8\}$ (ii) $\{-2, -4, 2, 4, 9, 1, -7\}$ (iii) $\{-7, -2, 2, 9, -4, 1\}$ (iv) $\{2, 1, -7, 9, -2\}$ (v) $\{-7, 2, -4, -2, 1\}$

9. Find $A \cup B$



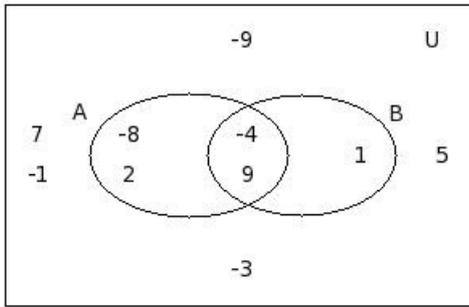
- (i) $\{-1, 5, -9, 7, 6, 1, -2, -8, -6, -4, 9\}$ (ii) $\{1, 6, -8, 9, -6, 5, -9, -1, 0, 7, -4\}$ (iii) $\{-8, -3, 6, -6, 9, 0, -4, 7, 1, 5, -1, -9\}$
 (iv) $\{1, 7, -1, 0, 9, 6, -6, -8, -9, 5\}$ (v) $\{-1, 6, -9, 7, -6, -4, 0, 1, 5, 9\}$

10. Find $A \cap B$



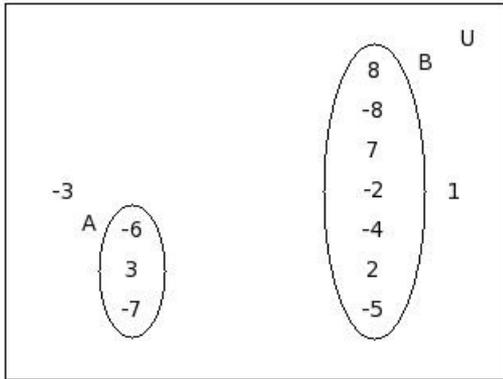
- (i) $\{6\}$ (ii) $\{6, -2\}$ (iii) $\{-8, 2, 6\}$ (iv) $\{\}$ (v) $\{-8, 6\}$

11. Find $A - B$



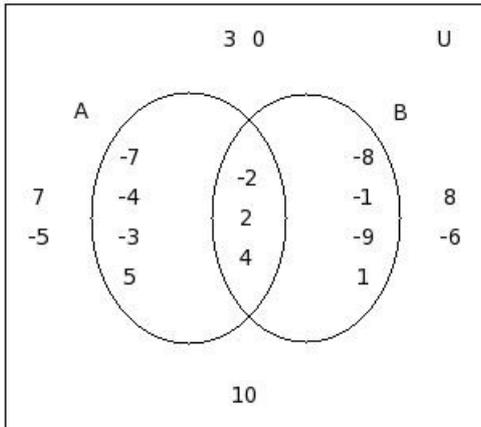
- (i) $\{2, -8, 5\}$ (ii) $\{-8\}$ (iii) $\{\}$ (iv) $\{-8, -3\}$ (v) $\{2, -8\}$

12. Find $B - A$



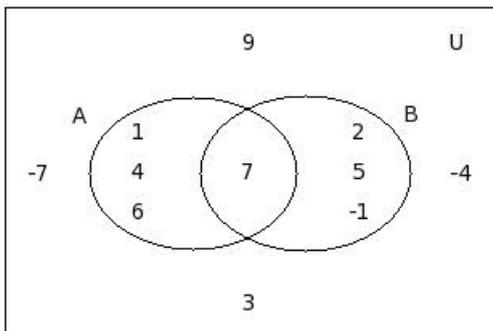
- (i) $\{-5, 7, -4, -2, 2, 8\}$ (ii) $\{-8, -5, 8, -2, 7, -4, 2\}$ (iii) $\{\}$ (iv) $\{-5, -3, -4, 7, -2, -8, 8, 2\}$ (v) $\{8, -4, 1, 7, 2, -8, -5\}$

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



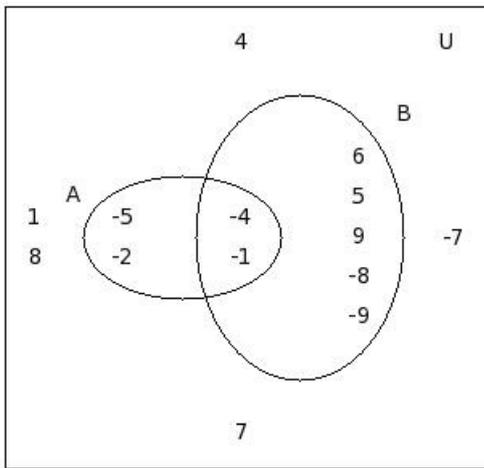
- (i) $\{-1, -7, -3, -5, 1, -9, -4, 5, -8\}$ (ii) $\{-4, 1, -1, -8, -7, -9, -3\}$ (iii) $\{-3, 1, -1, -4, -8, -7, 5\}$ (iv) $\{1, -1, -7, -4, -3, -9, 5, -8\}$
 (v) $\{-4, -1, -8, -9, 5, 1, -7, -5\}$

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



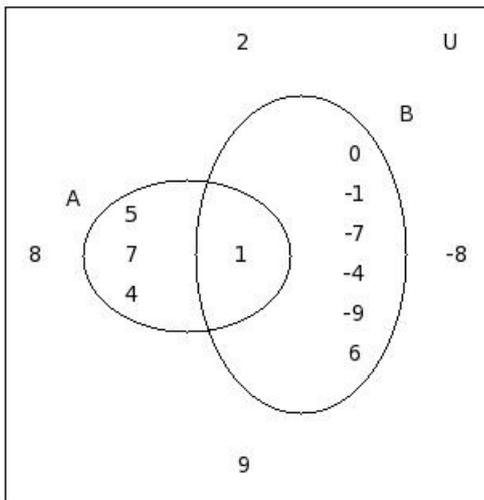
- (i) $\{4, 5, -1, 1, -7, 2, 6\}$ (ii) $\{4, 6, -1, 5, 2\}$ (iii) $\{6, -1, 4, 1, 5, 2\}$ (iv) $\{2, -1, 1, 5, -4, 4\}$ (v) $\{1, -1, 6, 5, 4\}$

15. Find $n(A)$



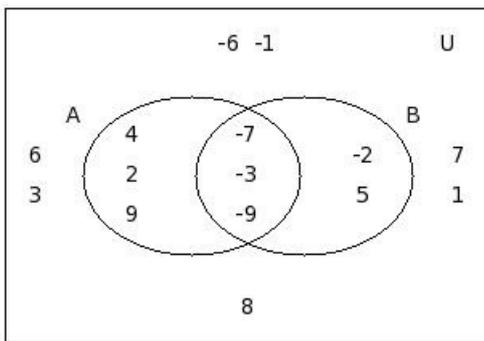
- (i) 6 (ii) 1 (iii) 4 (iv) 5 (v) 3

16. Find $n(B)$



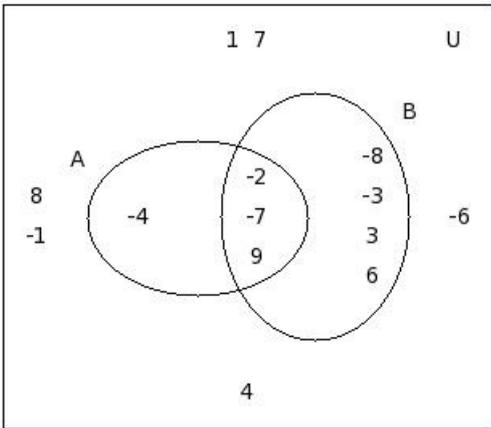
- (i) 6 (ii) 5 (iii) 8 (iv) 10 (v) 7

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



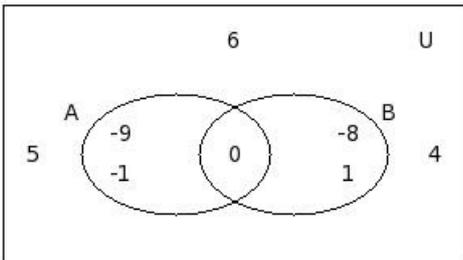
- (i) 5 (ii) 11 (iii) 9 (iv) 8 (v) 7

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



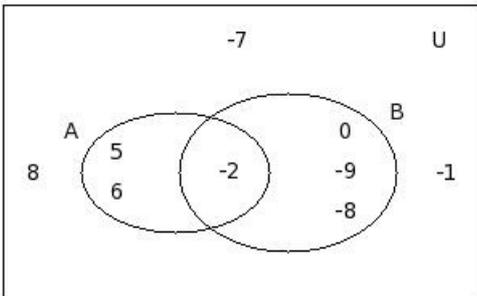
- (i) 2 (ii) 5 (iii) 0 (iv) 4 (v) 3

19. Find $n(A - B)$



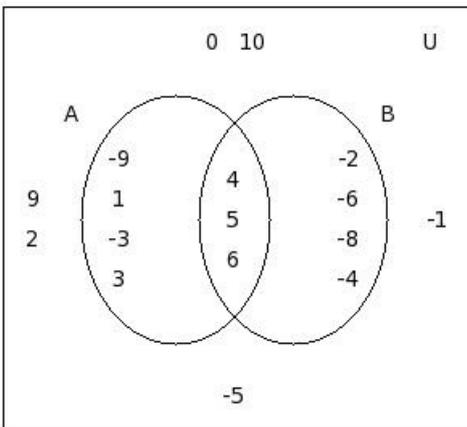
- (i) (-1) (ii) 2 (iii) 5 (iv) 1 (v) 3

20. Find $n(B - A)$



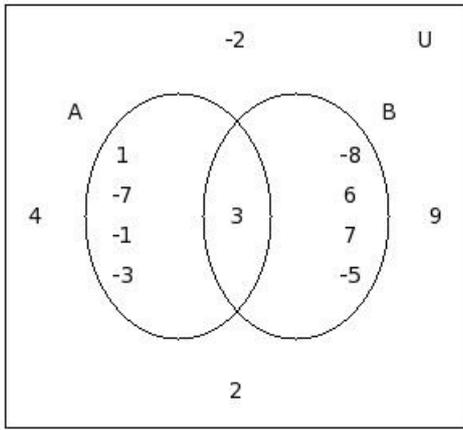
- (i) 2 (ii) 3 (iii) 4 (iv) 1 (v) 6

21. Find $n((A - B) \cup (B - A))$



- (i) 7 (ii) 5 (iii) 10 (iv) 9 (v) 8

22. Find $n((A \cup B) - (A \cap B))$



- (i) 5 (ii) 10 (iii) 9 (iv) 7 (v) 8

Assignment Key

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