



1. Which of the following diagrams represent equivalent sets?

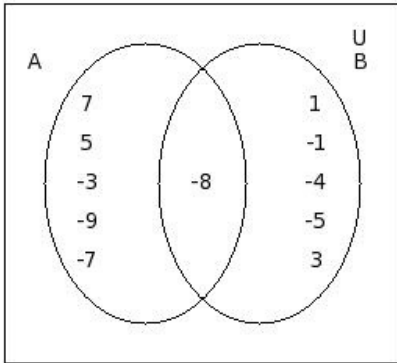


figure 1

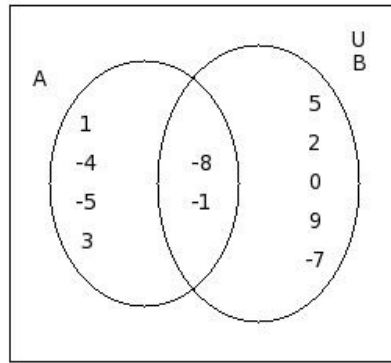


figure 2

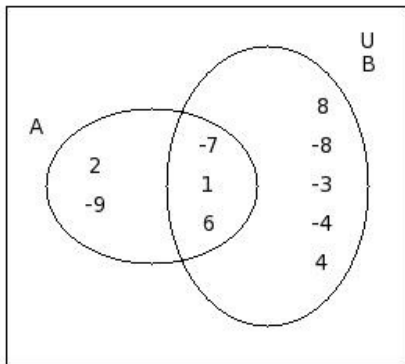


figure 3

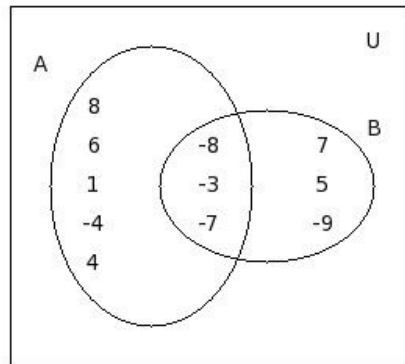


figure 4

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

2. Which of the following diagrams represent equal sets?

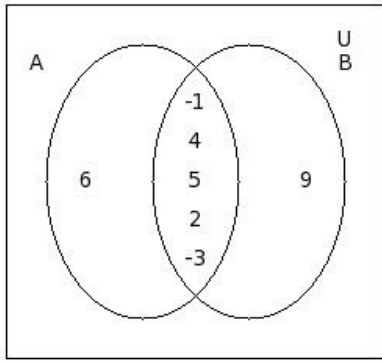


figure 1

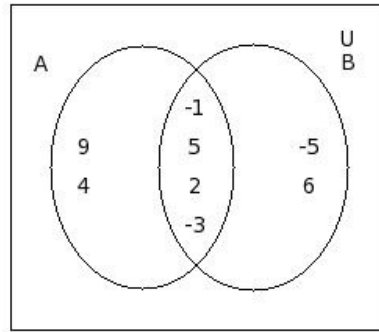


figure 2

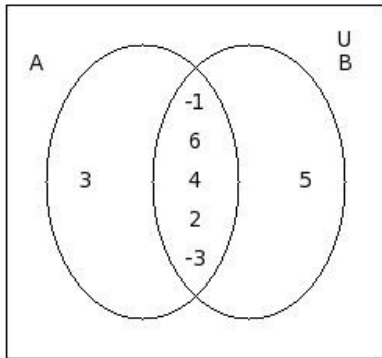


figure 3

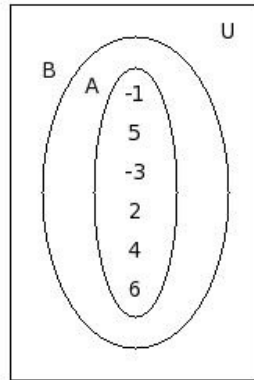


figure 4

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

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

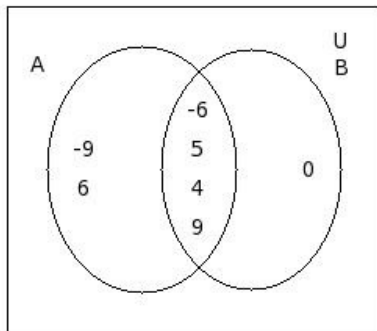


figure 1

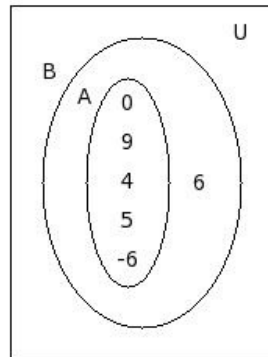


figure 2

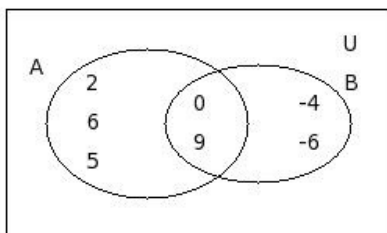


figure 3

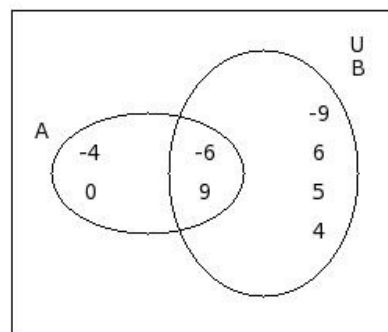
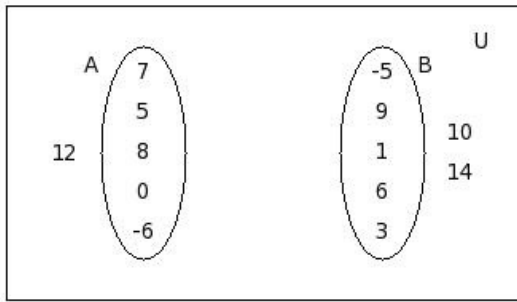


figure 4

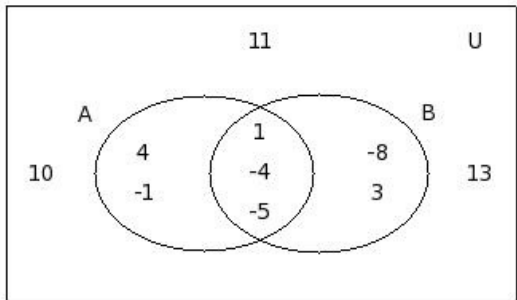
(i) figure 3 (ii) figure 2 (iii) figure 1 (iv) figure 4

4. $A \cup B =$



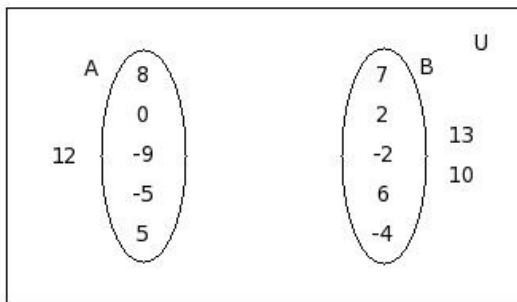
- (i) $\{6, 1, 5, 9, -6, 0, 7, 3, 8\}$ (ii) $\{-5, 0, 9, 3, 8, 1, 6, 5, -6\}$ (iii) $\{5, 9, 1, 6, 0, 10, 3, 7, -5, 8, -6\}$ (iv) $\{6, 9, 12, 0, 1, 5, -6, 8, 7, -5\}$
 (v) $\{-6, 3, 9, -5, 8, 6, 7, 1, 5, 0\}$

5. $A \cap B =$



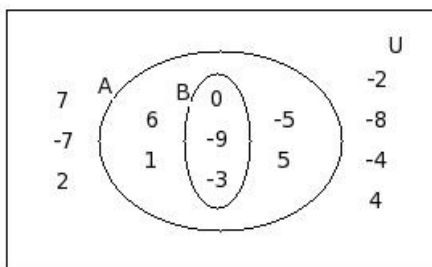
- (i) $\{-4, -8, -5, 1\}$ (ii) $\{10, 1, -4, -5\}$ (iii) $\{-4, -5, 1\}$ (iv) $\{-5, 3, -1, -4, 1\}$ (v) $\{-5, -4, 1, 4\}$

6. $A - B =$



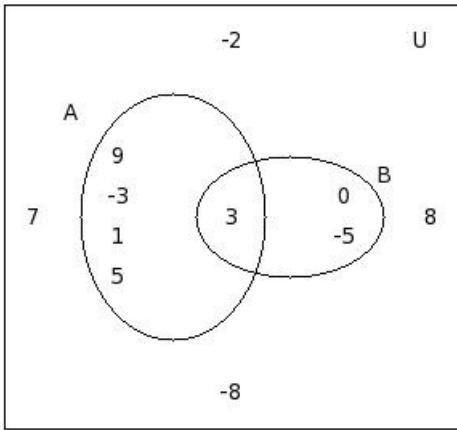
- (i) $\{-4, 6, -2, 7, 2\}$ (ii) $\{8, 5, -9, -3, -5, 0\}$ (iii) $\{5, -5, -9, 8, 0, 12\}$ (iv) $\{5, -5, 8, -9\}$ (v) $\{5, 0, -5, 8, -9\}$

7. Find A



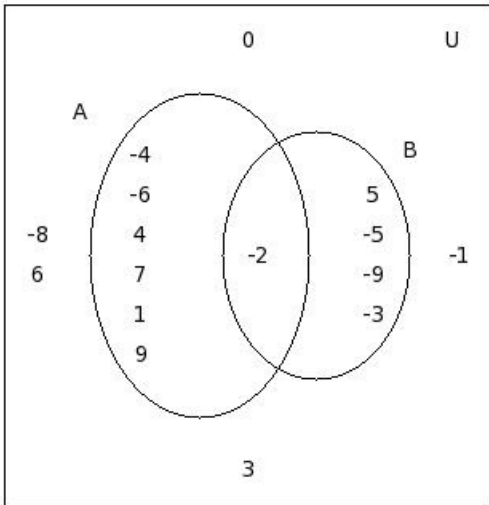
- (i) $\{1, -3, 5, 0, 6, -9, -5\}$ (ii) $\{1, -9, 5, 0, 6, -5\}$ (iii) $\{5, 6, -4, -3, 1, 0, -9, -5\}$ (iv) $\{1, 0, -9, 2, -3, -5, 5\}$ (v) $\{1, -3, -9, 5, 6, -5\}$

8. Find B



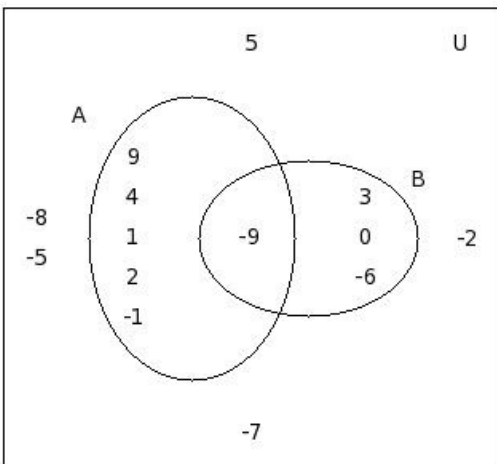
- (i) $\{0,3\}$ (ii) $\{-5,3,0,7\}$ (iii) $\{-5,-8,0\}$ (iv) $\{-5,0\}$ (v) $\{3,0,-5\}$

9. Find $A \cup B$



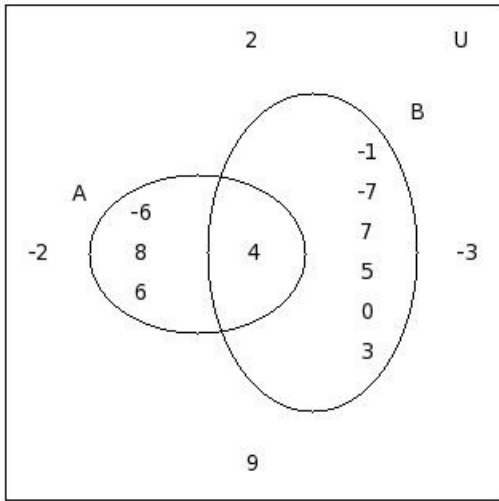
- (i) $\{-9,-3,5,1,-6,4,-4,-5,7,9\}$ (ii) $\{5,9,-3,4,-2,-6,-9,-8,-4,7,1\}$ (iii) $\{4,5,-2,-4,1,-5,-6,-3,7,9,-8,-9\}$
 (iv) $\{4,9,-2,-9,-6,7,-3,1,5,-4,-5\}$ (v) $\{-9,-4,-6,4,-5,9,-2,7,-3,1\}$

10. Find $A \cap B$



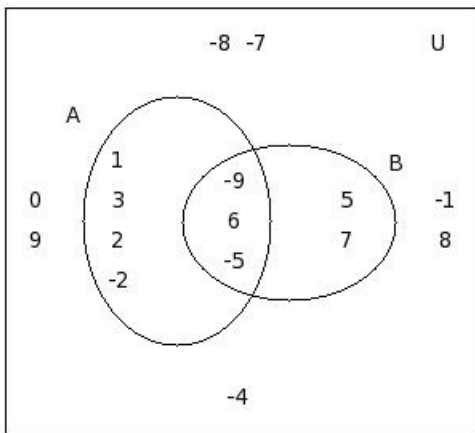
- (i) $\{-9,5\}$ (ii) $\{5\}$ (iii) $\{\}$ (iv) $\{-9\}$

11. Find $A - B$



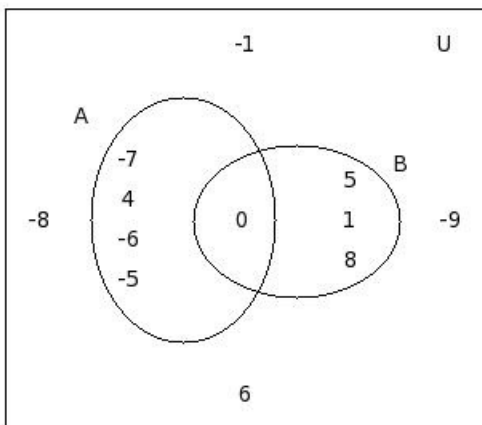
- (i) $\{8, -6\}$ (ii) $\{9, 6, 8, -6\}$ (iii) $\{2, 6, 8\}$ (iv) $\{8, -6, 6\}$ (v) $\{\}$

12. Find $B - A$



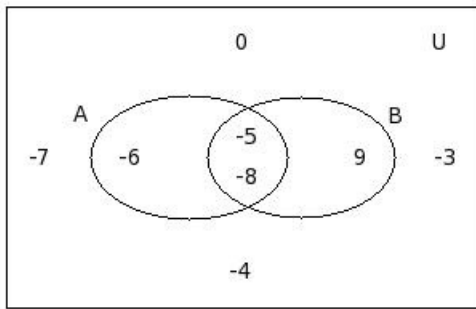
- (i) $\{5\}$ (ii) $\{7, 5\}$ (iii) $\{\}$ (iv) $\{7, 5, 0\}$ (v) $\{-7, 7\}$

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



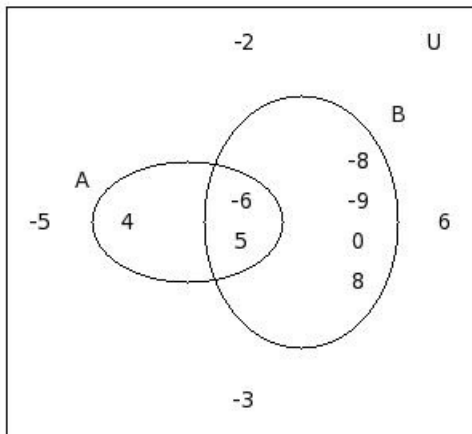
- (i) $\{1, 8, -6, -5, -7, 4\}$ (ii) $\{4, -6, -5, 5, 8, -7\}$ (iii) $\{-7, 8, 6, 4, -6, 1, 5\}$ (iv) $\{4, 8, -7, 1, -6, 5\}$ (v) $\{8, -6, -5, -7, 4, 1, 5, -9\}$

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



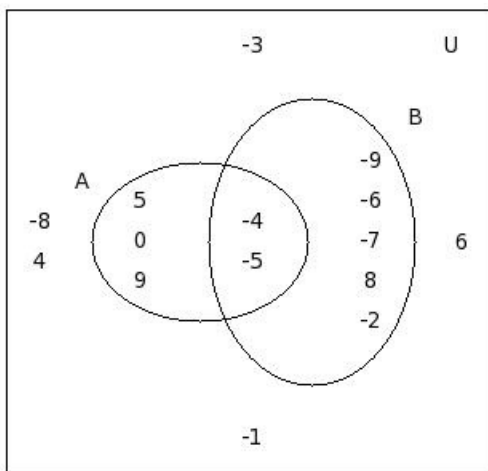
- (i) $\{0, 9, -6\}$ (ii) $\{-6\}$ (iii) $\{9, -6\}$ (iv) $\{-6, -3\}$ (v) $\{9\}$

15. Find $n(A)$



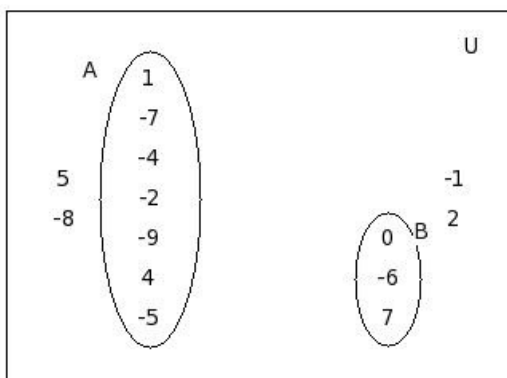
- (i) 3 (ii) 1 (iii) 4 (iv) 5 (v) 2

16. Find $n(B)$



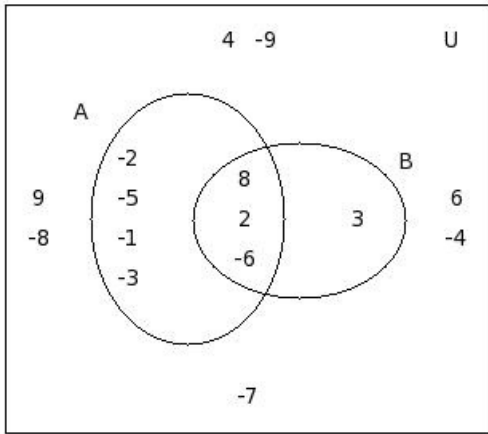
- (i) 7 (ii) 8 (iii) 9 (iv) 6 (v) 5

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



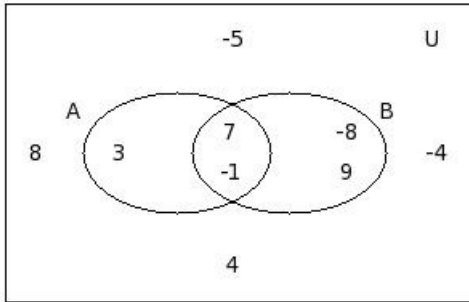
- (i) 10 (ii) 8 (iii) 12 (iv) 11 (v) 9

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



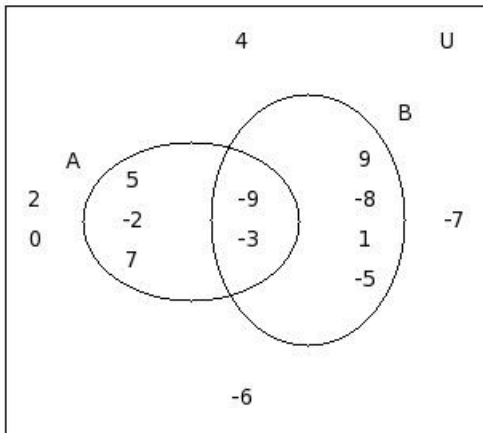
- (i) 2 (ii) 5 (iii) 3 (iv) 0 (v) 4

19. Find $n(A - B)$



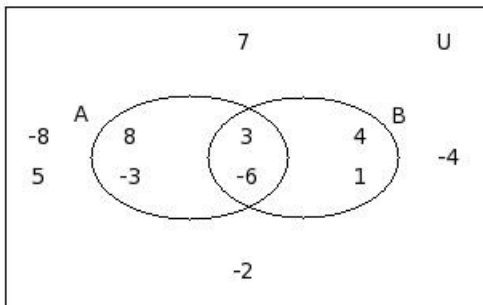
- (i) 1 (ii) 0 (iii) 4 (iv) 2 (v) (-2)

20. Find $n(B - A)$



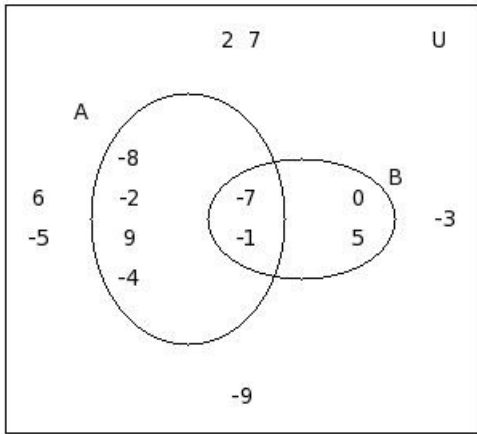
- (i) 3 (ii) 4 (iii) 6 (iv) 2 (v) 5

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



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

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



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

Assignment Key

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