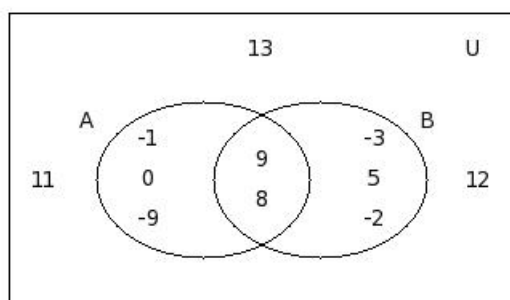


EduSahara™ Learning Center Assignment

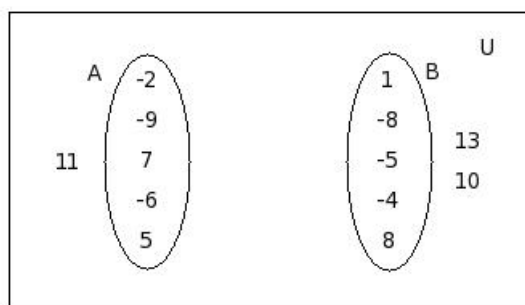
Grade : Class VII, ICSE
Chapter : Venn Diagrams
Name : Operations on Sets Using Venn Diagrams
Licensed To : Teachers and Students for non-commercial use

1. $A \cup B =$



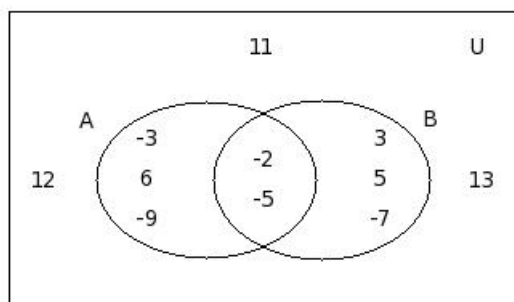
- (i) $\{-2, -1, -3, 5, 9, 8, -9\}$ (ii) $\{-3, -2, 9, 0, 8, 5, 13, -9\}$
 (iii) $\{-9, 8, -2, 9, 13, -1, -3, 0, 5\}$ (iv) $\{5, 8, 0, -9, 9, -2, -3, -1\}$
 (v) $\{5, -1, -9, 9, 0, -2, -3\}$

2. $A \cap B =$

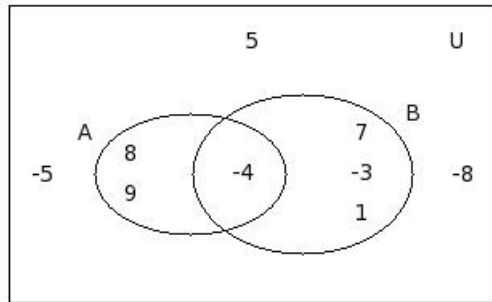


- (i) $\{\}$ (ii) $\{13\}$ (iii) $\{-9\}$ (iv) $\{1\}$ (v) $\{7, 8\}$

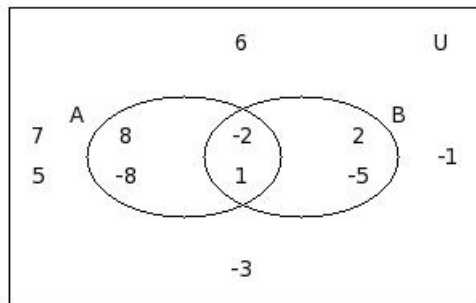
3. $A - B =$



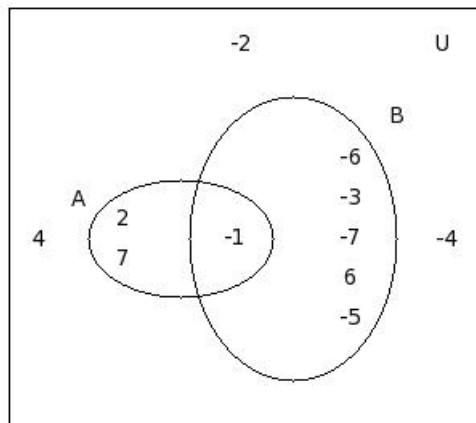
- (i) $\{-3, 6, 11, -9\}$ (ii) $\{5, -7, 3\}$ (iii) $\{-3, 6, -9\}$ (iv) $\{-9, -3\}$ (v) $\{-9, -2, -3, 6\}$

4. Find $A \cup B$ 

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

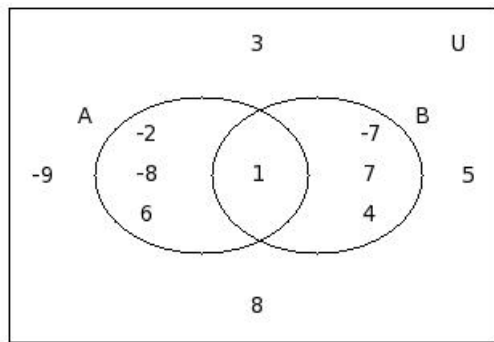
5. Find $A \cap B$ 

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

6. Find $A - B$ 

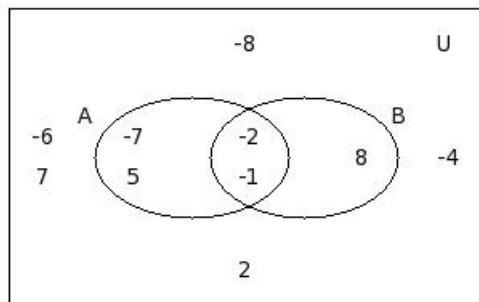
- (i) $\{\}$ (ii) $\{-2, 2, 7\}$ (iii) $\{2\}$ (iv) $\{7, 2\}$ (v) $\{7, -4\}$
-

7. Find $B - A$



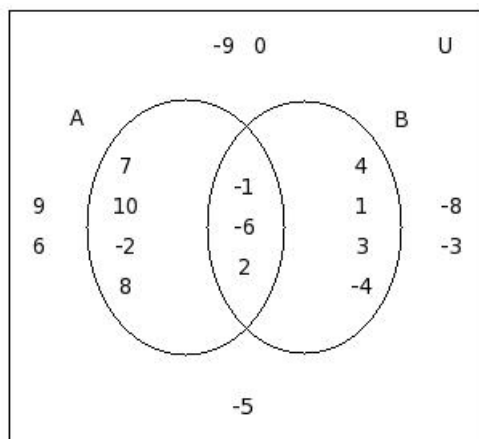
- (i) $\{4, -7\}$ (ii) $\{7, 4, -7\}$ (iii) $\{4, 8, -7, 7\}$ (iv) $\{\}$ (v) $\{4, -9, -7\}$

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



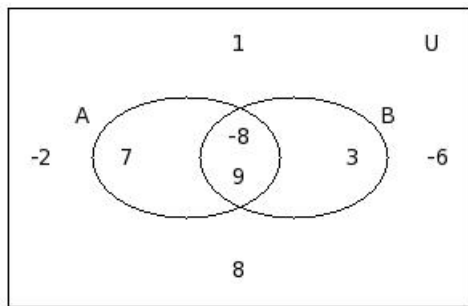
- (i) $\{-7, 5, 8\}$ (ii) $\{5, -7\}$ (iii) $\{8, 5\}$ (iv) $\{8, -4, 5\}$ (v) $\{8, -7, 5, -8\}$

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



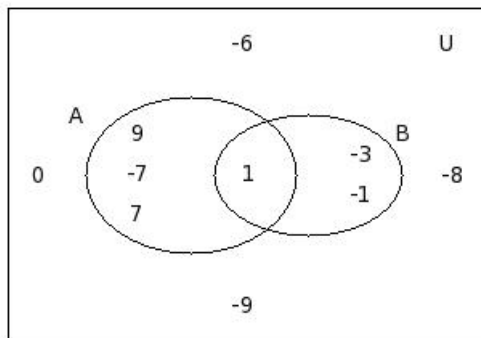
- (i) $\{10, 8, 3, 1, -4, -2, 7, 4\}$ (ii) $\{4, 7, 1, 8, 3, -2, -4\}$
 (iii) $\{-9, 1, -4, -2, 4, 10, 8, 7\}$ (iv) $\{-4, 4, 7, -2, 10, 1, 8\}$
 (v) $\{-5, 3, -4, 8, 1, 7, 4, -2, 10\}$

10. Find A'



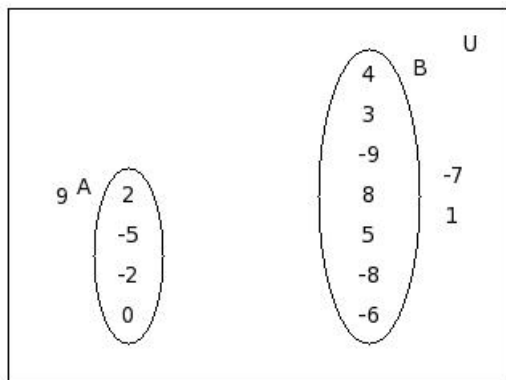
- (i) $\{-2, 1, 8, 3, -6\}$ (ii) $\{8, -2, 1, -6\}$ (iii) $\{\}$

11. Find B'



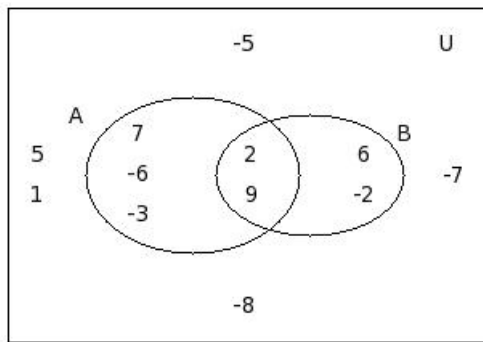
- (i) $\{\}$ (ii) $\{-6, -8, 0, -7, -9, 7\}$
 (iii) $\{-6, 9, -7, 0, 7, -9, -8\}$ (iv) $\{-6, 7, 9, -9, 0, -8\}$

12. Find $(A \cup B)'$



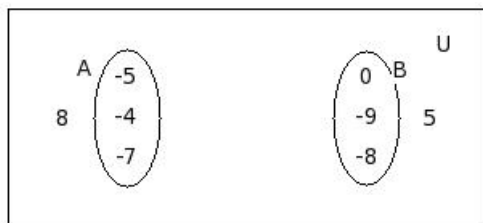
- (i) $\{9, -7\}$ (ii) $\{\}$ (iii) $\{9, 1, -7\}$

13. Find $(A \cap B)'$



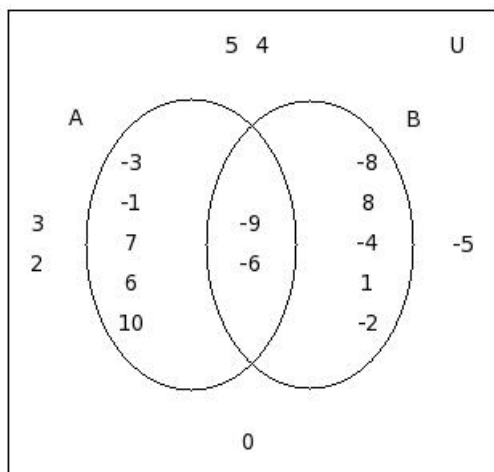
- (i) $\{\}$ (ii) $\{5, -6, 1, -5, 7, -8, -2, -7, 6\}$
 (iii) $\{-7, -8, -3, 6, 1, -6, 5, -2, 7, -5\}$ (iv) $\{-3, -6, 6, 1, -7, -8, -2, -5, 7\}$
 (v) $\{5, -7, 7, -6, -2, -5, -8, -3, 1\}$

14. Find $(A - B)'$



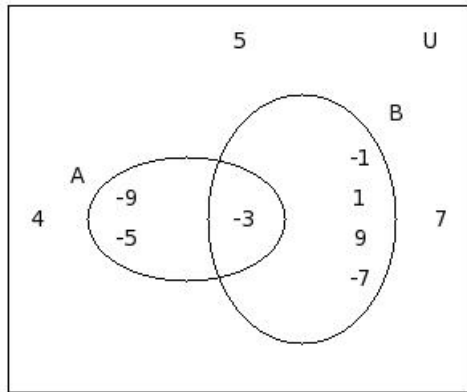
- (i) $\{-8, 8, 0, -9, 5\}$ (ii) $\{8, -8, 5, 0\}$ (iii) $\{-8, -9, 8, 5\}$
 (iv) $\{\}$

15. Find $(B - A)'$



- (i) $\{\}$
 (ii) $\{5, 0, -3, 7, -5, -1, 4, 3, 10, -9, 6, 2\}$
 (iii) $\{7, -9, 10, 5, -5, -3, -1, 0, 3, -6, 4, 6, 2\}$
 (iv) $\{5, -1, 4, 6, 3, 7, 2, 0, -9, 10, -6, -3\}$

16. Find $(A - B) \cup (B - A)'$



(i) $\{7, 4, -3, 5\}$ (ii) $\{\}$ (iii) $\{4, 5, 7\}$

Assignment Key

- 1) (iv)
- 2) (i)
- 3) (iii)
- 4) (i)
- 5) (v)
- 6) (iv)
- 7) (ii)
- 8) (i)
- 9) (i)
- 10) (i)
- 11) (iii)
- 12) (iii)
- 13) (iii)
- 14) (i)
- 15) (iii)
- 16) (i)