



1. Find the cardinality of $A = \{-3, -1, 9, -4, 5, 4, -9, 6\}$
(i) 5 (ii) 8 (iii) 10 (iv) 7 (v) 9
2. If $A = \{-3, 4, -9, 6, 0\}$, then $n(A) = ?$
(i) 6 (ii) 2 (iii) 5 (iv) 8 (v) 4
3. If $A = \{-5, 6, -7\}$ and $\mu = \{-5, 6, -7, 9, -3\}$, find $A \cup \mu$
(i) $\{6, 0, -7\}$ (ii) $\{0, -5, -7, 6, 4\}$ (iii) $\{-9, 6, -5\}$ (iv) $\{-5, -7\}$ (v) $\{-7, -5, 6\}$
4. If $A = \{4, -3, 6\}$ and $\mu = \{4, -3, 6, -8, -6\}$, find $A \cup \emptyset$
(i) $\{-3, 10, 4\}$ (ii) $\{4, -2, 0\}$ (iii) $\{6, 4\}$ (iv) $\{-3, 6, 4, 0, 1\}$ (v) $\{4, -3, 6\}$
5. If $A = \{2, 5, -3\}$ and $\mu = \{2, 5, -3, -6, 7\}$, find $A \cup \mu$
(i) $\{-6, 5, -3, 2\}$ (ii) $\{3, -3, -6, 5, 7, 2, 0\}$ (iii) $\{5, 2, -3, 7, -6\}$ (iv) $\{2, -3, 8, 0, -1\}$ (v) $\{1, -6, 5, 2, 7\}$
6. If $A = \{-2, 7, -4, 2, 0\}$ and $\mu = \{-2, 7, -4, 2, 0, -8, -1, -9\}$, find $A \cap \mu$
(i) $\{2, -1, -2, 7, 0\}$ (ii) $\{-4, 0, 2, 7\}$ (iii) $\{0, 2, 7, -1, 3, -4, -2\}$ (iv) $\{7, -4, 2, -2, 0\}$ (v) $\{7, -5, 2, -4, 3\}$
7. If $A = \{-2, -5, 9, 8, 6, 2, 0\}$ and $\mu = \{-2, -5, 9, 8, 6, 2, 0, 5, -4, -3, -1\}$, find $A \cap \emptyset$
(i) $\{-1, 5\}$ (ii) $\{\}$ (iii) $\{1\}$ (iv) $\{2\}$
8. If $A = \{-6, 8, 5\}$ and $\mu = \{-6, 8, 5, -7, 6\}$, find $A \cap \mu$
(i) $\{3, 5, -6, 1, 8\}$ (ii) $\{8, -6\}$ (iii) $\{5, 8, -6\}$ (iv) $\{7, -6, 6\}$ (v) $\{\}$
9. If $\mu = \{-9, -3, -6, 4, -4, 5, 0, -7, -8, 9, 10, -2, 2, 6, -1, 7, -5\}$, $A = \{-9, -3, -6, 4, -4, 5, 0\}$ and $B = \{-3, -7, -8, 9, -6, 10, -2\}$, find $n(A)$
(i) 5 (ii) 7 (iii) 8 (iv) 9 (v) 6
10. If $\mu = \{-2, 3, -1, -3, 0, -9, -5, 5, -4, 7, 2\}$, $A = \{-2, 3, -1\}$ and $B = \{-3, 0, -1, -9, 3, -5\}$, find $n(B)$
(i) 7 (ii) 6 (iii) 5 (iv) 3 (v) 9

Assignment Key

1) (ii)

2) (iii)

3) (v)

4) (v)

5) (iii)

6) (iv)

7) (ii)

8) (iii)

9) (ii)

10) (ii)