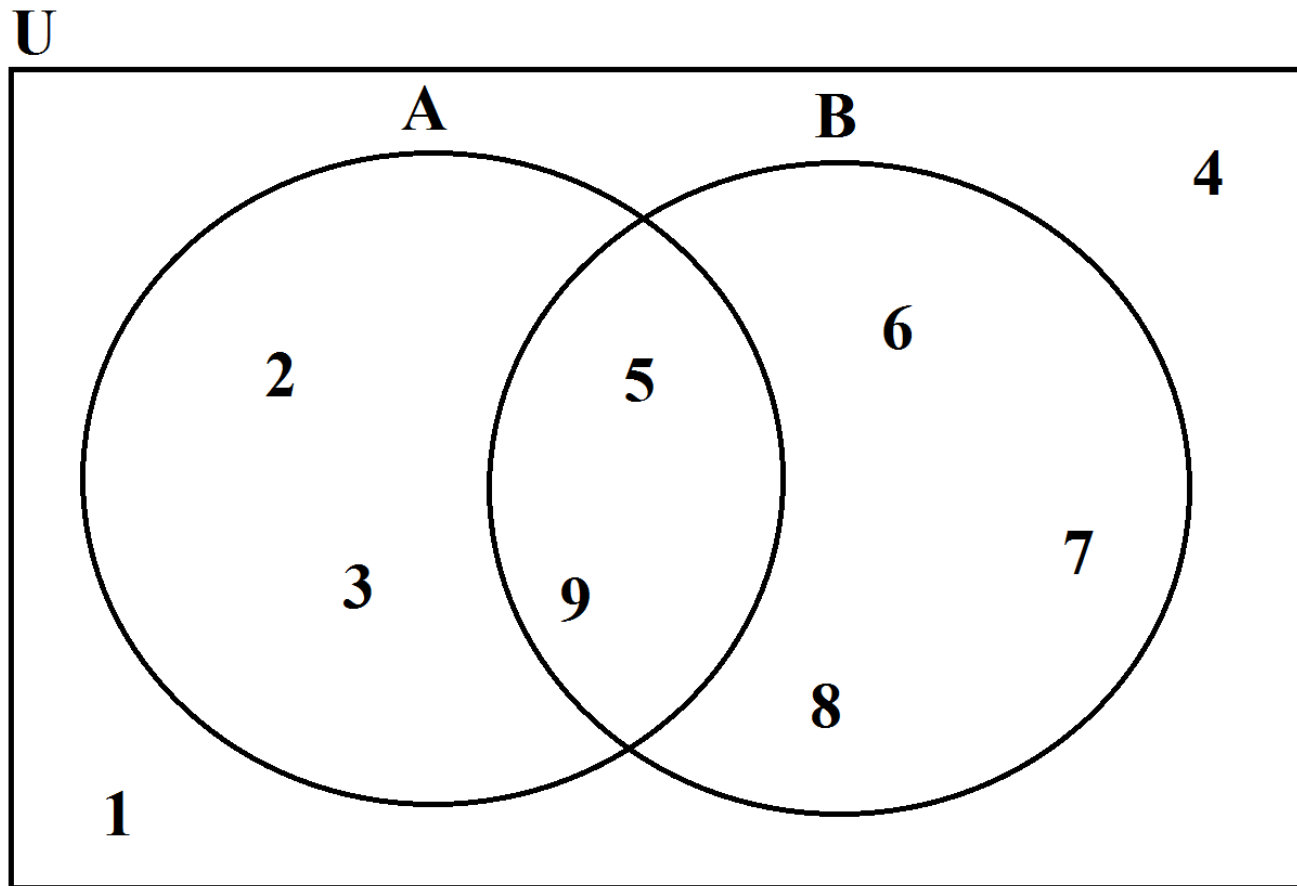


The numbers 1-9 are scattered throughout the Venn diagram. Find the elements in each set.

- (a) U (b) A (c) B
 (d) $A \cap B$ (e) $A \cup B$
 (f) \bar{A} (g) \bar{B}
 (h) $\overline{A \cup B}$ (i) $\overline{A \cap B}$
 (j) $A \cap \bar{B}$



(a) $U = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$

(b) $A = \{2, 3, 5, 9\}$

(c) $B = \{5, 6, 7, 8, 9\}$

(d) $A \cap B = \{5, 9\}$

(e) $A \cup B = \{2, 3, 5, 6, 7, 8, 9\}$

(f) $\bar{A} = \{1, 4, 6, 7, 8\}$

(g) $\bar{B} = \{1, 2, 3, 4\}$

(h) $\overline{A \cup B} = \{1, 4\}$

(i) $\overline{A \cap B} = \{1, 2, 3, 4, 6, 7, 8\}$

(j) $A \cap \bar{B} = \{2, 3\}$