

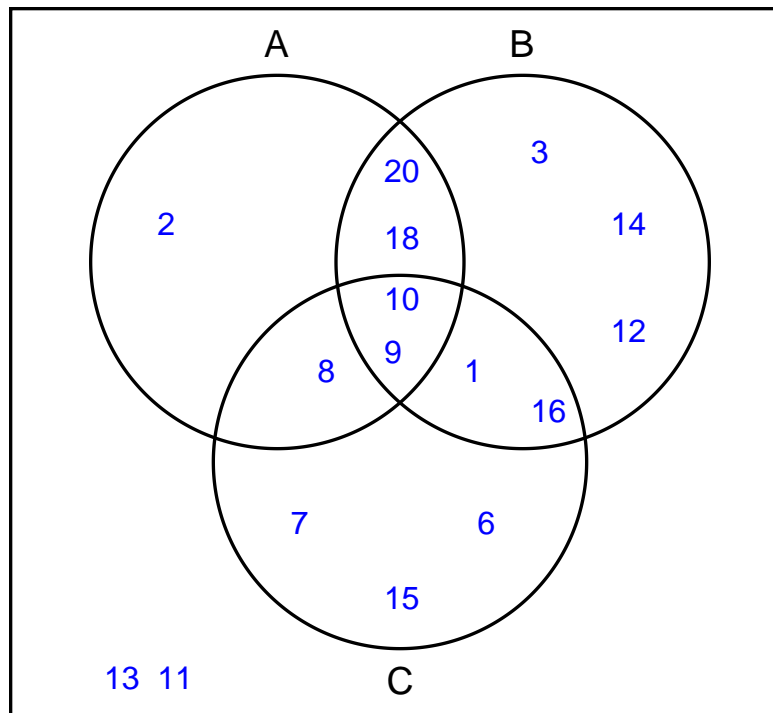
Name : _____

Score : _____

Teacher : _____

Date : _____

Solve the Problems Using the Venn Diagrams



- 1) $(A \cap C)' \cup B =$ _____
- 2) $(A \cup B)' \cup C =$ _____
- 3) $(A \cup B)' \cup C' =$ _____
- 4) $(A \cup C)' \cup B' =$ _____
- 5) $A' \cap (C - B)' =$ _____
- 6) $C' \cap (B - A)' =$ _____
- 7) $C' \cup (A \cap B)' =$ _____
- 8) $B' \cup (A \cup C) =$ _____
- 9) $C' \cap (A - B)' =$ _____
- 10) $A' \cup (B \cap C)' =$ _____

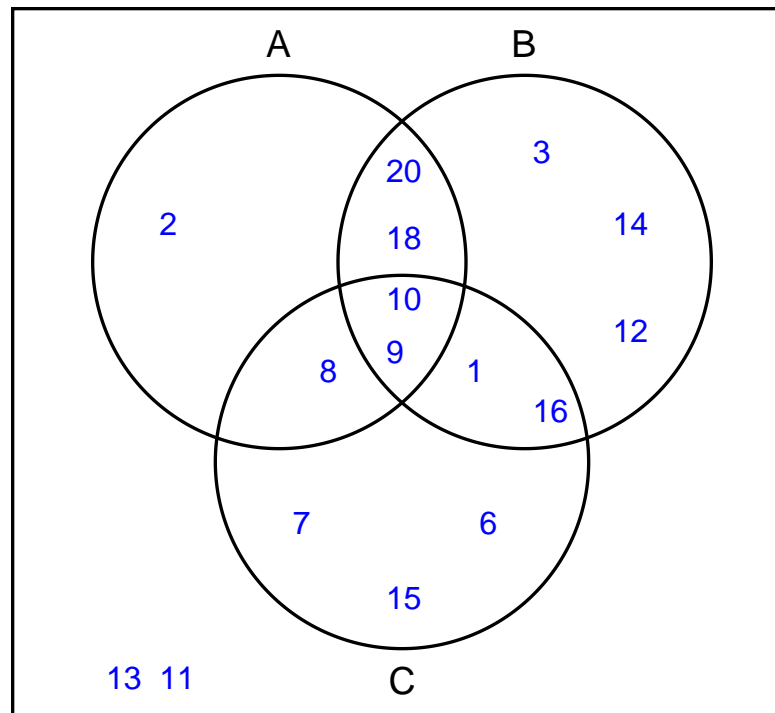
Name : _____

Score : _____

Teacher : _____

Date : _____

Solve the Problems Using the Venn Diagrams



- 1) $(A \cap C)' \cup B = \{ 2, 3, 14, 12, 7, 15, 6, 20, 18, 1, 16, 10, 9, 13, 11 \}$ _____
- 2) $(A \cup B)' \cup C = \{ 7, 15, 6, 1, 16, 8, 10, 9, 13, 11 \}$ _____
- 3) $(A \cup B)' \cup C' = \{ 2, 3, 14, 12, 7, 15, 6, 20, 18, 13, 11 \}$ _____
- 4) $(A \cup C)' \cup B' = \{ 2, 3, 14, 12, 7, 15, 6, 8, 13, 11 \}$ _____
- 5) $A' \cap (C - B)' = \{ 3, 14, 12, 1, 16, 13, 11 \}$ _____
- 6) $C' \cap (B - A)' = \{ 2, 20, 18, 13, 11 \}$ _____
- 7) $C' \cup (A \cap B)' = \{ 2, 3, 14, 12, 20, 18, 10, 9, 13, 11 \}$ _____
- 8) $B' \cup (A \cup C) = \{ 2, 7, 15, 6, 20, 18, 1, 16, 8, 10, 9, 13, 11 \}$ _____
- 9) $C' \cap (A - B)' = \{ 3, 14, 12, 20, 18, 13, 11 \}$ _____
- 10) $A' \cup (B \cap C)' = \{ 3, 14, 12, 7, 15, 6, 1, 16, 10, 9, 13, 11 \}$ _____