

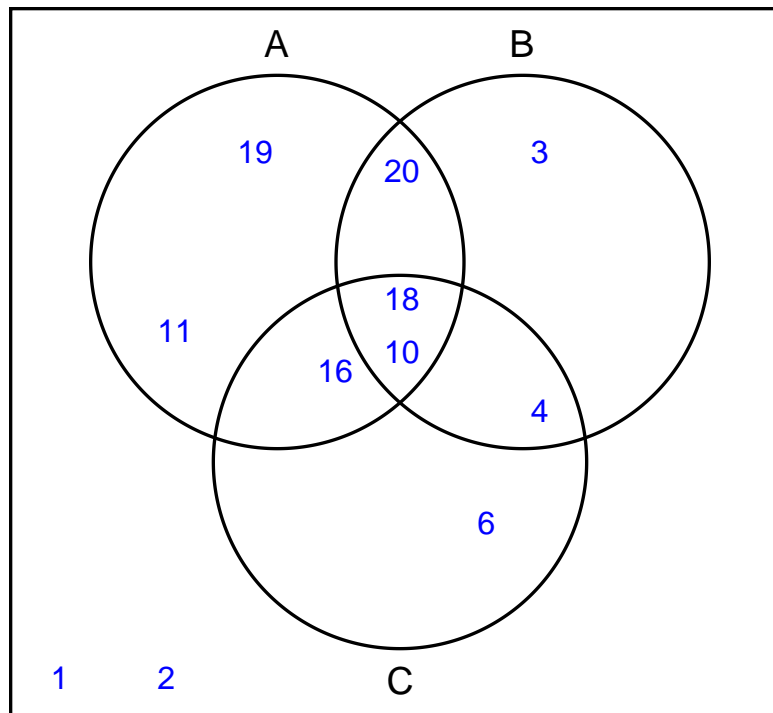
Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Solve the Problems Using the Venn Diagrams



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

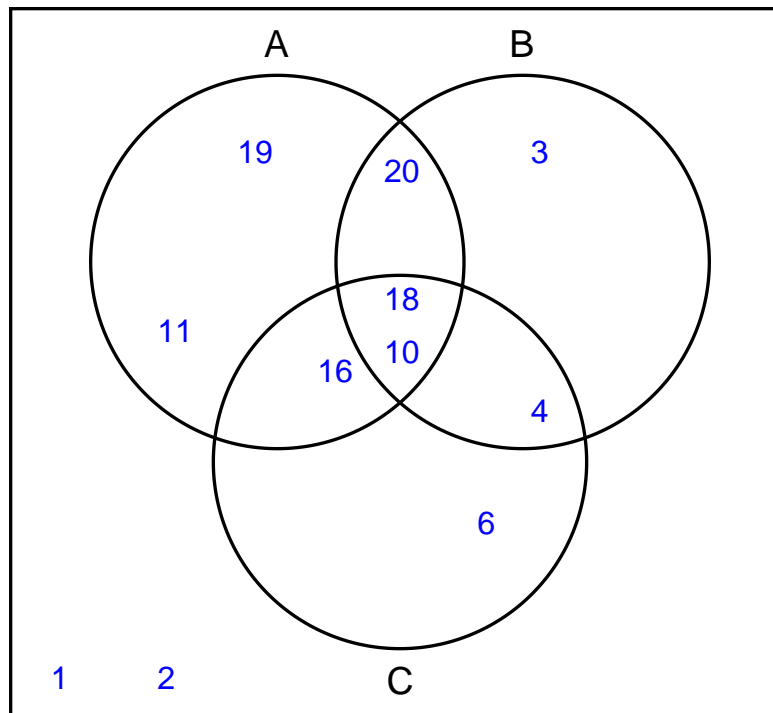
Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Solve the Problems Using the Venn Diagrams



- 1)  $(A \cup C)' \cup B' = \{ 19, 11, 3, 6, 16, 1, 2 \}$  \_\_\_\_\_
- 2)  $(B \cap C)' \cup A = \{ 19, 11, 3, 6, 20, 16, 18, 10, 1, 2 \}$  \_\_\_\_\_
- 3)  $(A \cap B) - C = \{ 20 \}$  \_\_\_\_\_
- 4)  $(B \cap C) - A = \{ 4 \}$  \_\_\_\_\_
- 5)  $C' \cup (A \cup B) = \{ 19, 11, 3, 20, 4, 16, 18, 10, 1, 2 \}$  \_\_\_\_\_
- 6)  $A \cup (C - B) = \{ 19, 11, 6, 20, 16, 18, 10 \}$  \_\_\_\_\_
- 7)  $A' \cup (B \cup C) = \{ 3, 6, 20, 4, 16, 18, 10, 1, 2 \}$  \_\_\_\_\_
- 8)  $B \cup (A - C) = \{ 19, 11, 3, 20, 4, 18, 10 \}$  \_\_\_\_\_
- 9)  $(A \cup B) - C = \{ 19, 11, 3, 20 \}$  \_\_\_\_\_
- 10)  $(A \cap C)' \cup B = \{ 19, 11, 3, 6, 20, 4, 18, 10, 1, 2 \}$  \_\_\_\_\_