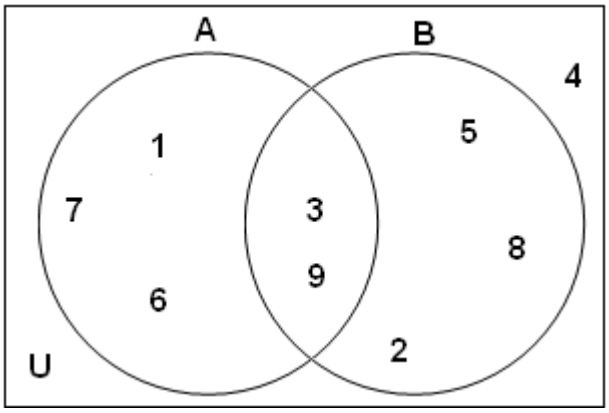
Student Name: _____ **Score:**

Venn Diagram – Two Circles

Fill in the blanks using Venn diagram:

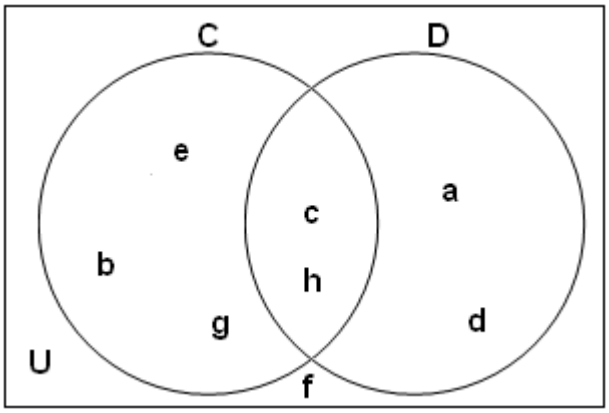


$A' \cup B' =$ _____

$A' \cap B' =$ _____

$(A \cup A)' =$ _____

$(B \cap B)' =$ _____

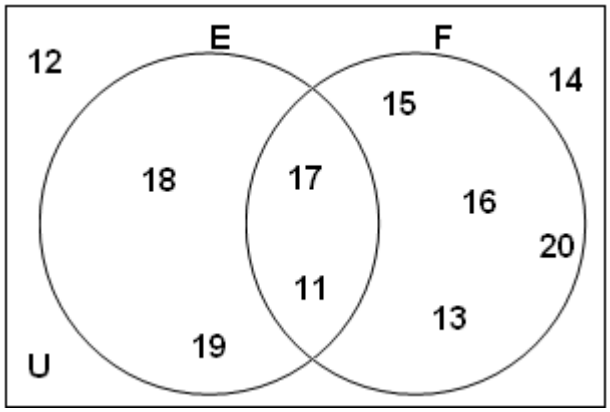


$C' - D =$ _____

$D' - C =$ _____

$(C - D)' =$ _____

$(D - C)' =$ _____



$(E \cup F)' =$ _____

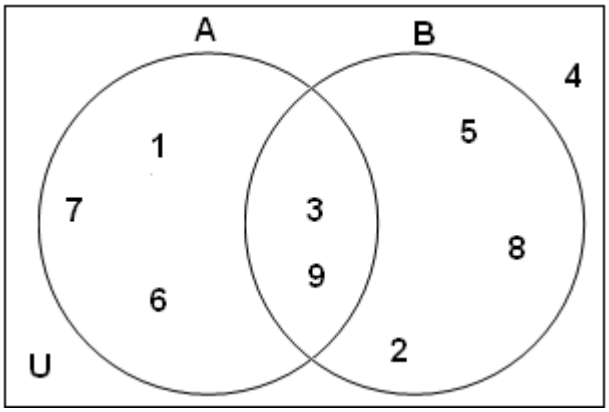
$(E \cap F)' =$ _____

$E' \cup F =$ _____

$E' \cap F =$ _____

Student Name: _____ **Score:**

Answers

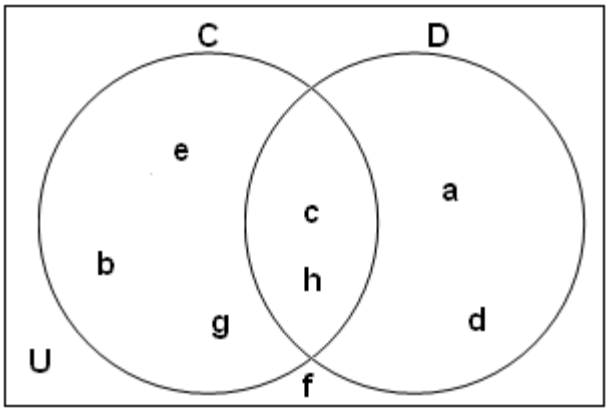


$A' \cup B' = \{1,2,4,5,6,7,8\}$

$A' \cap B' = \{4\}$

$(A \cup A)' = \{2,4,5,8\}$

$(B \cap B)' = \{1,4,6,7\}$

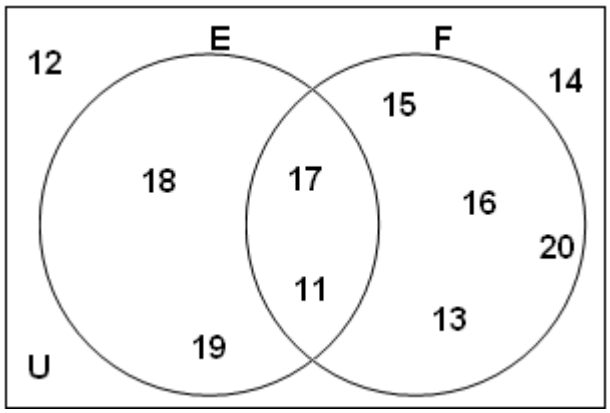


$C' - D = \{f\}$

$D' - C = \{f\}$

$(C - D)' = \{a, c, d, f, h\}$

$(D - C)' = \{b, c, e, f, g, h\}$



$(E \cup F)' = \{12,14\}$

$(E \cap F)' = \{12,13,14,15,16,18,19,20\}$

$E' \cup F = \{11,12,13,14,15,16,17,20\}$

$E' \cap F = \{13,15,16,20\}$