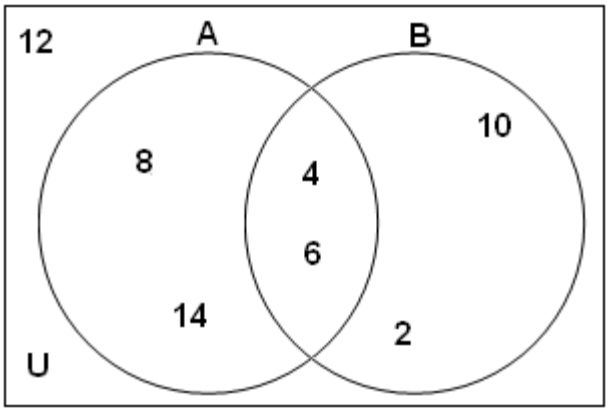
Student Name: _____ **Score:**

Venn Diagram – Two Circles

Fill in the blanks using Venn diagrams:

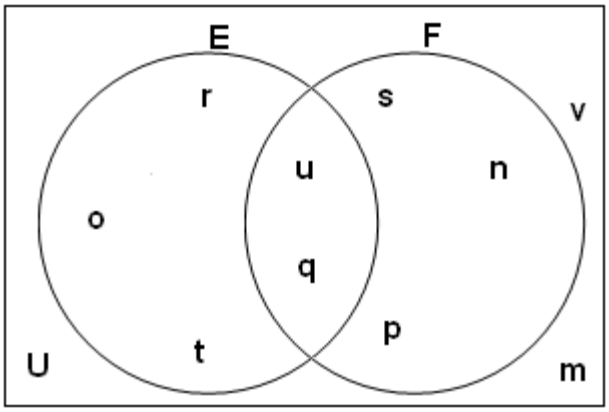


$A \cup B' =$ _____

$A' \cup B =$ _____

$A' \cap B =$ _____

$A \cap B' =$ _____

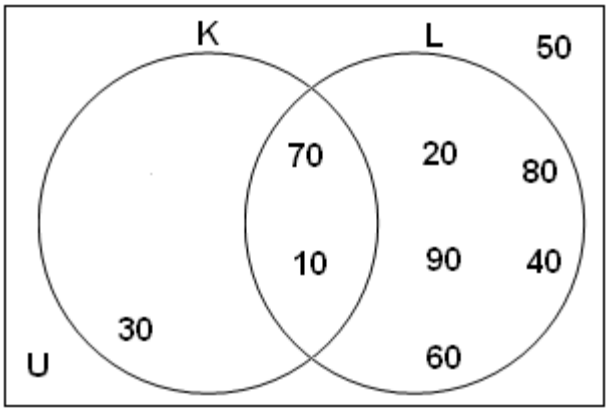


$E' - F =$ _____

$E - F' =$ _____

$E' - F' =$ _____

$F' - E' =$ _____



$(A \cup B)' =$ _____

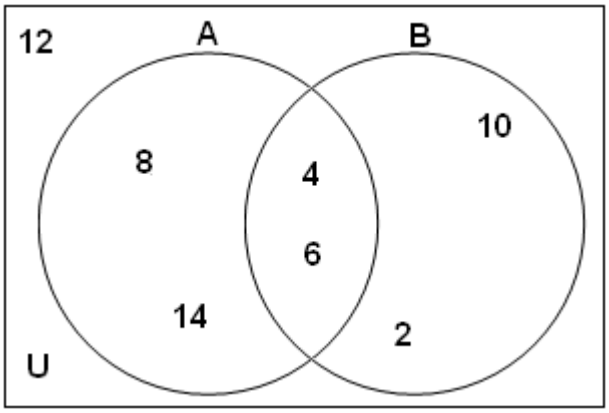
$(A \cap B)' =$ _____

$(A')' \cup A =$ _____

$(B')' \cap B =$ _____

Student Name: _____ **Score:**

Answers

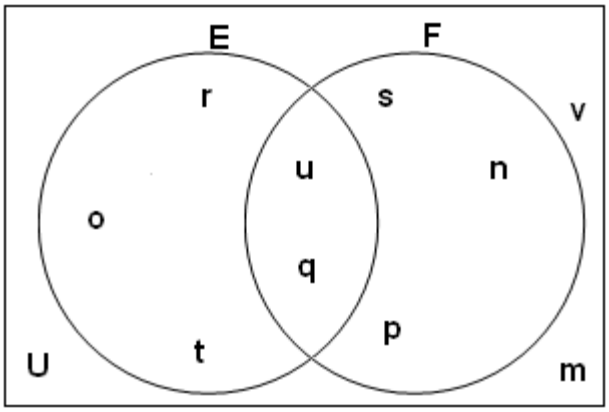


$A \cup B' = \{4,6,8,12,14\}$

$A' \cup B = \{2,4,6,10,12\}$

$A' \cap B = \{2,10\}$

$A \cap B' = \{8,14\}$

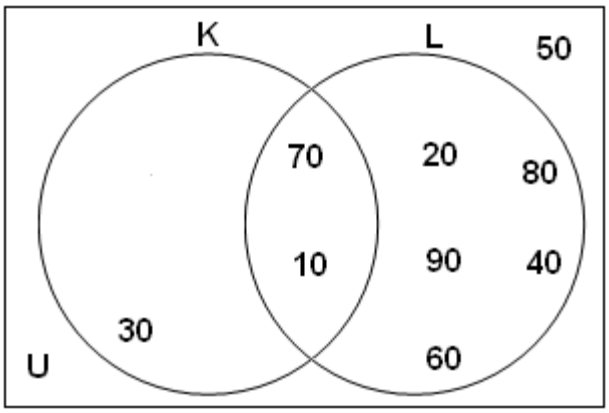


$E' - F = \{m, v\}$

$E - F' = \{q, u\}$

$E' - F' = \{n, p, s\}$

$F' - E' = \{o, r, t\}$



$(K \cup L)' = \{50\}$

$(K \cap L)' = \{20,30,40,50,60,80,90\}$

$(K')' \cup L = \{10,20,30,40,60,70,80,90\}$

$K \cap (L')' = \{10,70\}$