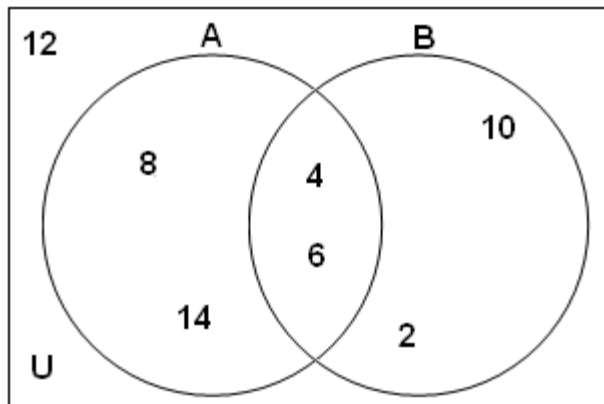


Student Name: _____

Score: _____

Venn Diagram – Two Circles

Fill in the blanks using Venn diagrams:

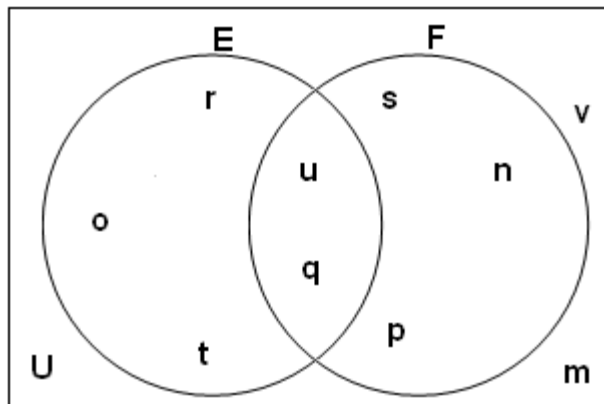


$$A \cup B' = \underline{\hspace{2cm}}$$

$$A' \cup B = \underline{\hspace{2cm}}$$

$$A' \cap B = \underline{\hspace{2cm}}$$

$$A \cap B' = \underline{\hspace{2cm}}$$

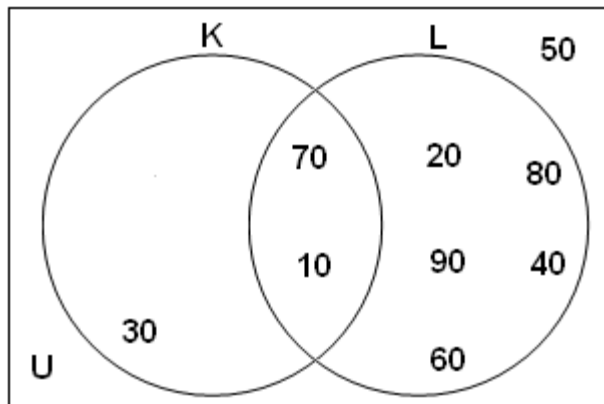


$$E' - F = \underline{\hspace{2cm}}$$

$$E - F' = \underline{\hspace{2cm}}$$

$$E' - F' = \underline{\hspace{2cm}}$$

$$F' - E' = \underline{\hspace{2cm}}$$



$$(A \cup B)' = \underline{\hspace{2cm}}$$

$$(A \cap B)' = \underline{\hspace{2cm}}$$

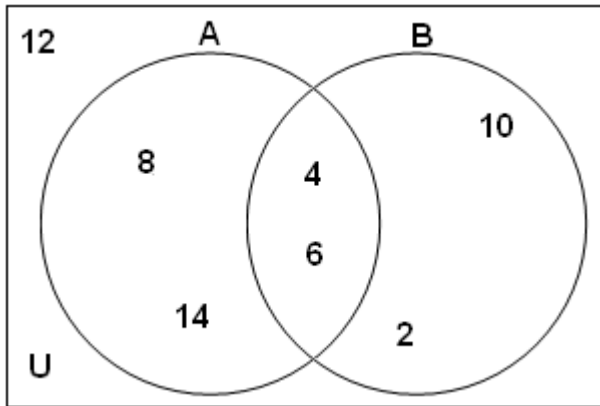
$$(A')' \cup A = \underline{\hspace{2cm}}$$

$$(B')' \cap B = \underline{\hspace{2cm}}$$

Student Name: _____

Score: _____

Answers

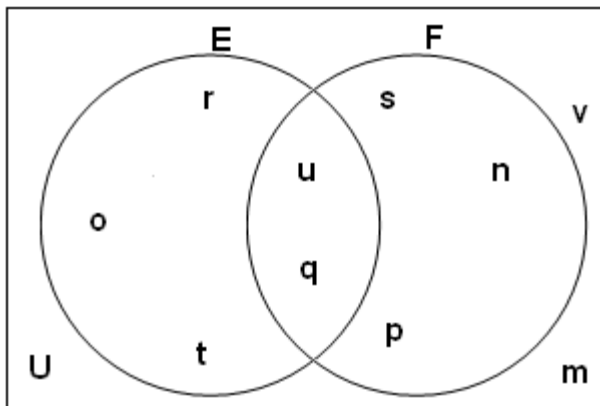


$$A \cup B' = \{4, 6, 8, 12, 14\}$$

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

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

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

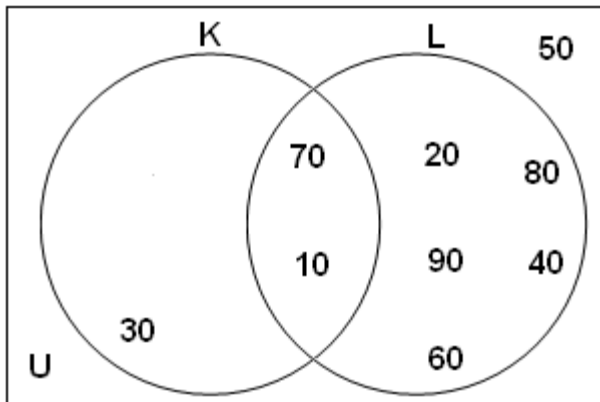


$$E' - F = \{m, v\}$$

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

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

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



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

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

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

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