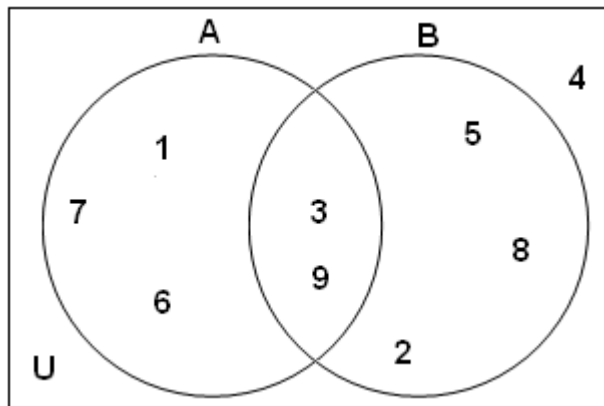


Student Name: _____

Score: _____

Venn Diagram – Two Circles

Fill in the blanks using Venn diagram:

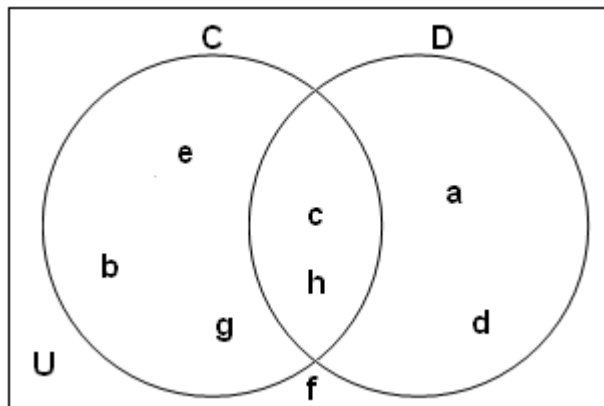


$$A' \cup B' = \underline{\hspace{2cm}}$$

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

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

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

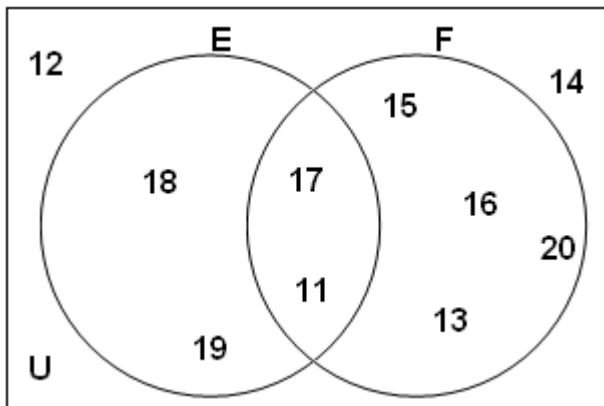


$$C' - D = \underline{\hspace{2cm}}$$

$$D' - C = \underline{\hspace{2cm}}$$

$$(C - D)' = \underline{\hspace{2cm}}$$

$$(D - C)' = \underline{\hspace{2cm}}$$



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

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

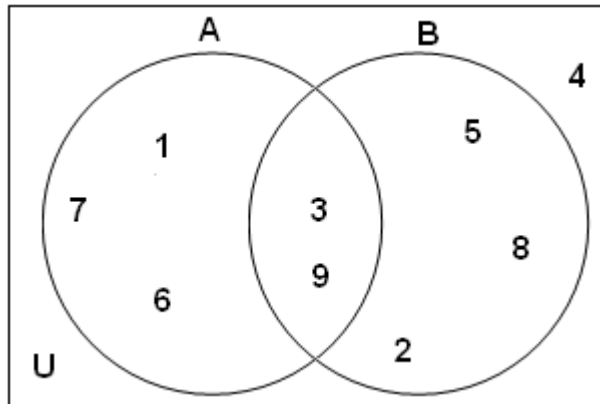
$$E' \cup F = \underline{\hspace{2cm}}$$

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

Student Name: _____

Score: _____

Answers

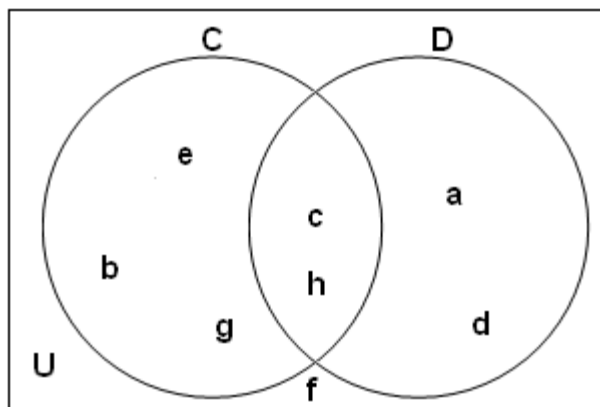


$$A' \cup B' = \{1, 2, 4, 5, 6, 7, 8\}$$

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

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

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

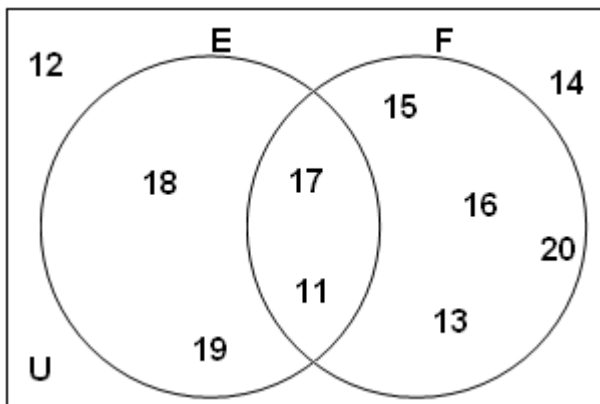


$$C' - D = \{f\}$$

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

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

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



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

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

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

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