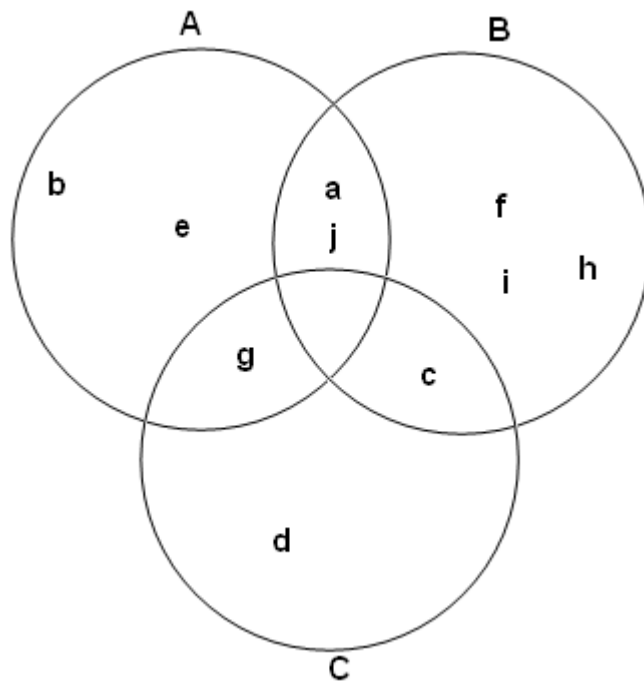


Student Name: _____

Score: _____

Venn Diagram – Two Circles

Fill in the blanks using the Venn diagram:



$$(A \cup B) \cap (A \cup C) = \underline{\hspace{4cm}}$$

$$(A \cap B) \cap (A \cap C) = \underline{\hspace{4cm}}$$

$$(A - B) \cap (B - A) = \underline{\hspace{4cm}}$$

$$(A \cup B) - (B \cup C) = \underline{\hspace{4cm}}$$

$$(C - B) \cap (C - A) = \underline{\hspace{4cm}}$$

$$(A - B) \cap (B - C) = \underline{\hspace{4cm}}$$

$$(A \cup C) - (B \cup C) = \underline{\hspace{4cm}}$$

$$(A \cup B) \cap (B \cup C) \cap (A \cup C) = \underline{\hspace{4cm}}$$

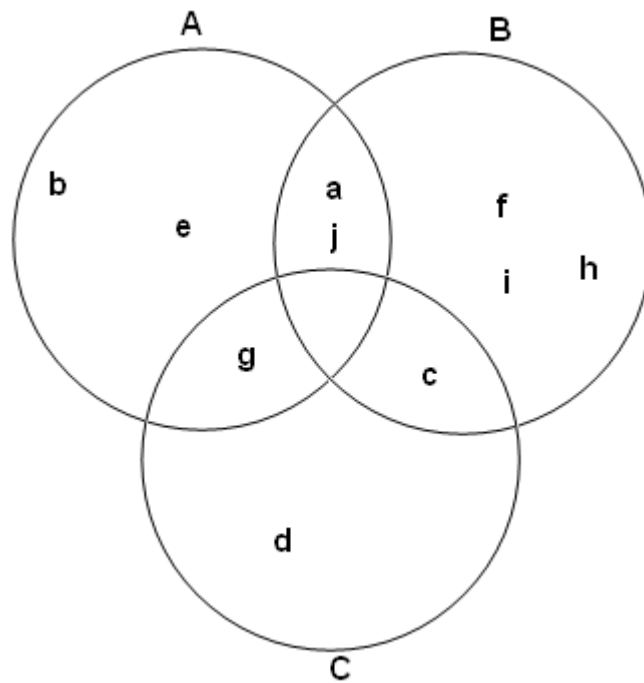
$$(A \cap B) \cup (B \cap C) \cup (A \cap C) = \underline{\hspace{4cm}}$$

$$(A \cup B \cup C) - (A \cap B \cap C) = \underline{\hspace{4cm}}$$

Student Name: _____

Score: _____

Answers



$$(A \cup B) \cap (A \cup C) = \{a, b, c, e, g, j\}$$

$$(A \cap B) \cap (A \cap C) = \{ \}$$

$$(A - B) \cap (B - A) = \{ \}$$

$$(A \cup B) - (B \cup C) = \{b, e\}$$

$$(C - B) \cap (C - A) = \{d\}$$

$$(A - B) \cap (B - C) = \{ \}$$

$$(A \cup C) - (B \cup C) = \{b, e\}$$

$$(A \cup B) \cap (B \cup C) \cap (A \cup C) = \{a, c, g, j\}$$

$$(A \cap B) \cup (B \cap C) \cup (A \cap C) = \{a, c, g, j\}$$

$$(A \cup B \cup C) - (A \cap B \cap C) = \{a, b, c, d, e, f, g, h, i, j\}$$