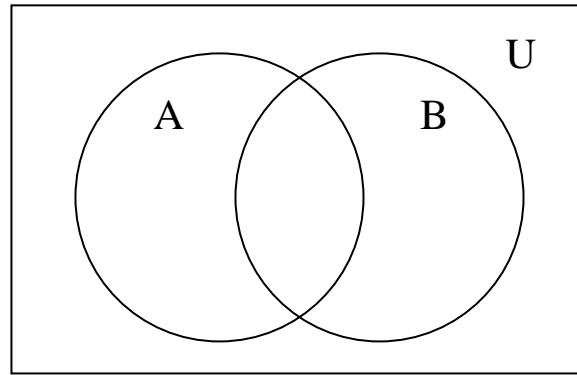


Math 1313  
Chapter 6 – Section 6.1  
Part III – Venn Diagrams

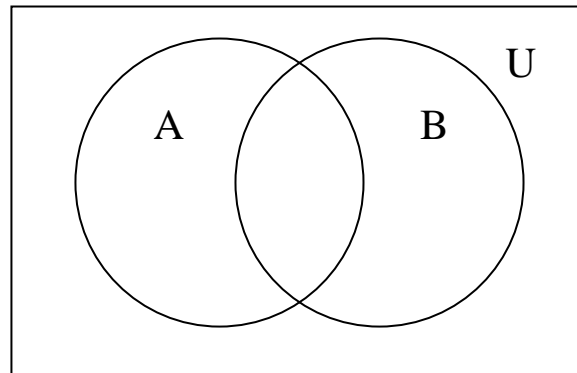
Example 1: Shade the portion of the Venn diagram that represents the given set.

$$A \cap B^c$$



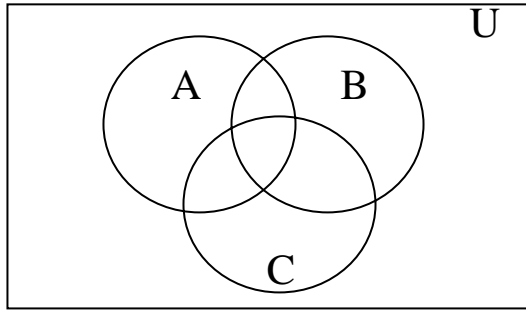
Example 2: Shade the portion of the Venn diagram that represents the given set.

$$A^c \cup B$$



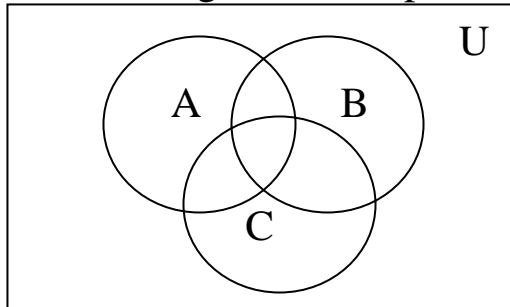
Example 3: Shade the portion of the Venn diagram that represents the given set.

$$(B \cup C)^c$$



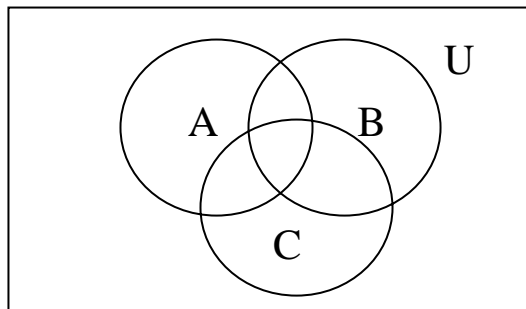
Example 4: Shade the portion of the Venn diagram that represents the given set.

$$(B \cap A^c)$$



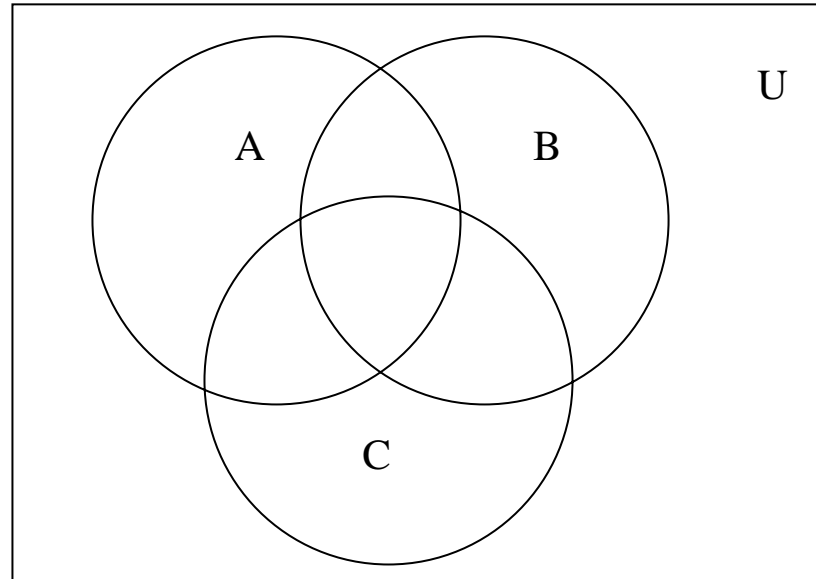
Example 5: Shade the portion of the Venn diagram that represents the given set.

$$(C \cap A^c)^c$$



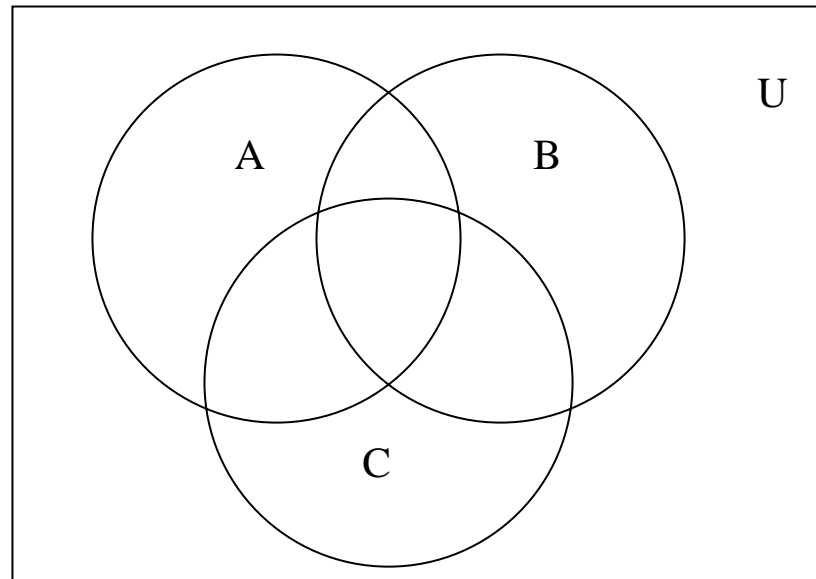
Example 6: Shade the portion of the Venn diagram that represents the given set.

$$((B \cup C) \cap A)$$



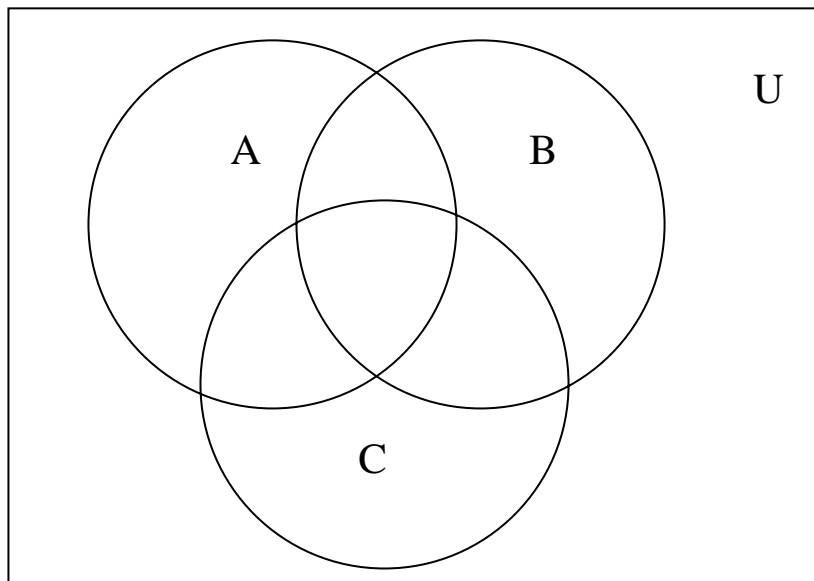
Example 7: Shade the portion of the Venn diagram that represents the given set.

$$((C \cap A) \cup B)$$



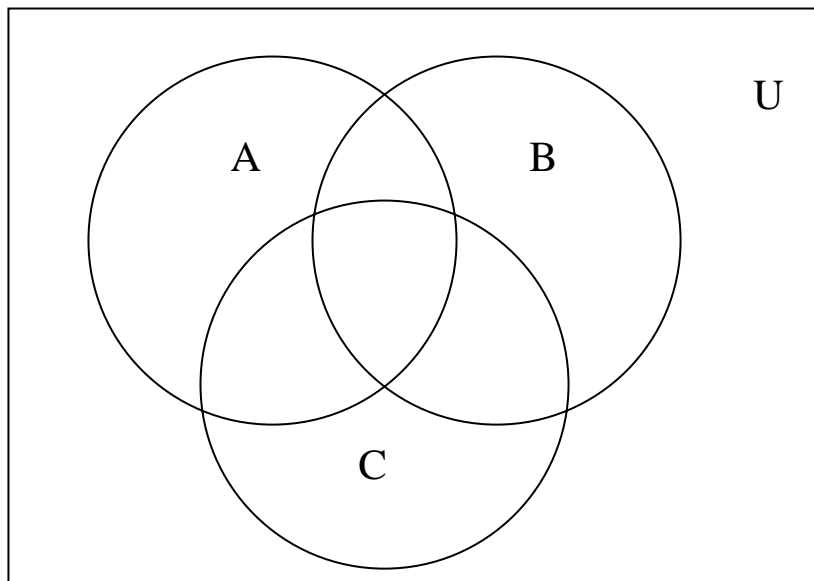
Example 8: Shade the portion of the Venn diagram that represents the given set.

$$((B \cap A)^c \cap C)$$



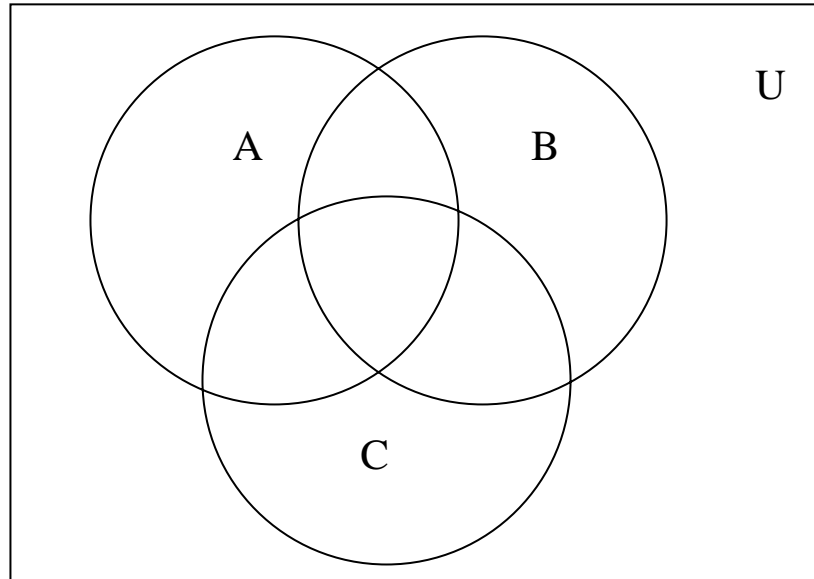
Example 9: Shade the portion of the Venn diagram that represents the given set.

$$(C \cup (A \cap B)^c)$$



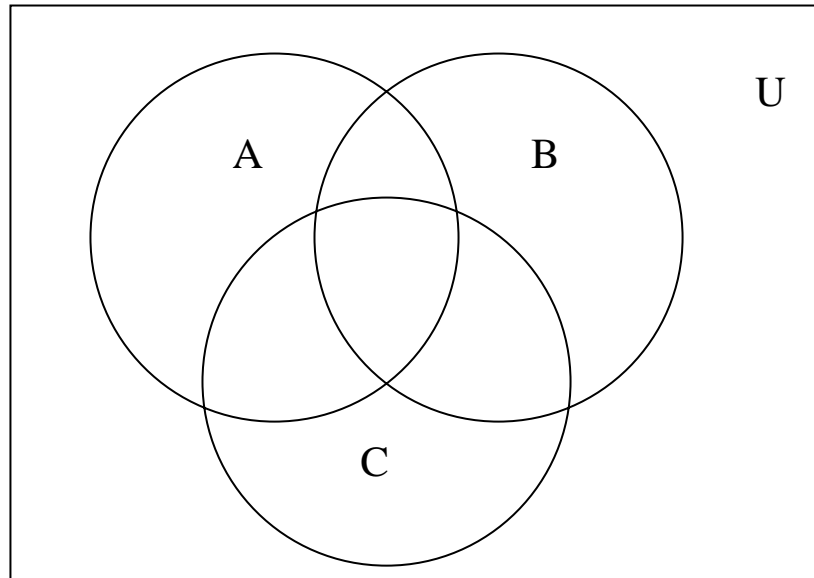
Example 10: Shade the portion of the Venn diagram that represents the given set.

$$((C \cup A)^c \cup B)$$



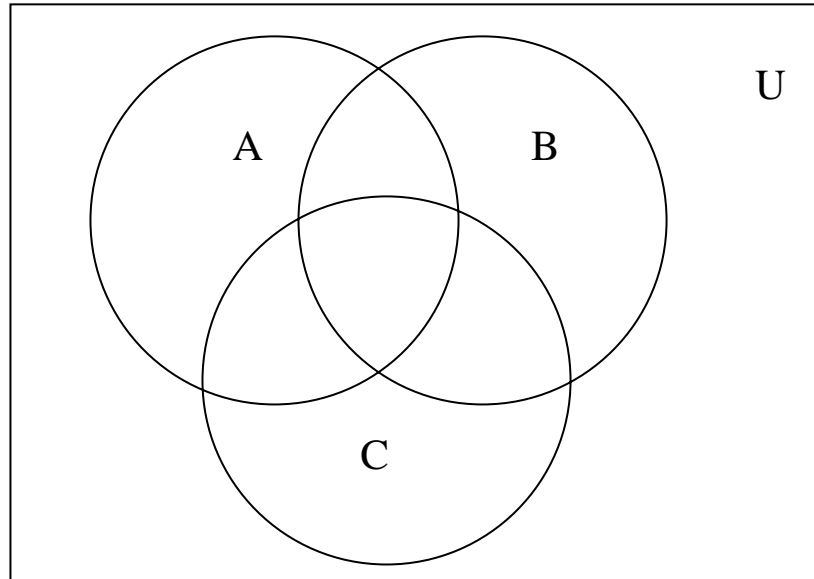
Example 11: Shade the portion of the Venn diagram that represents the given set.

$$(A^c \cap (C \cup B)^c)$$



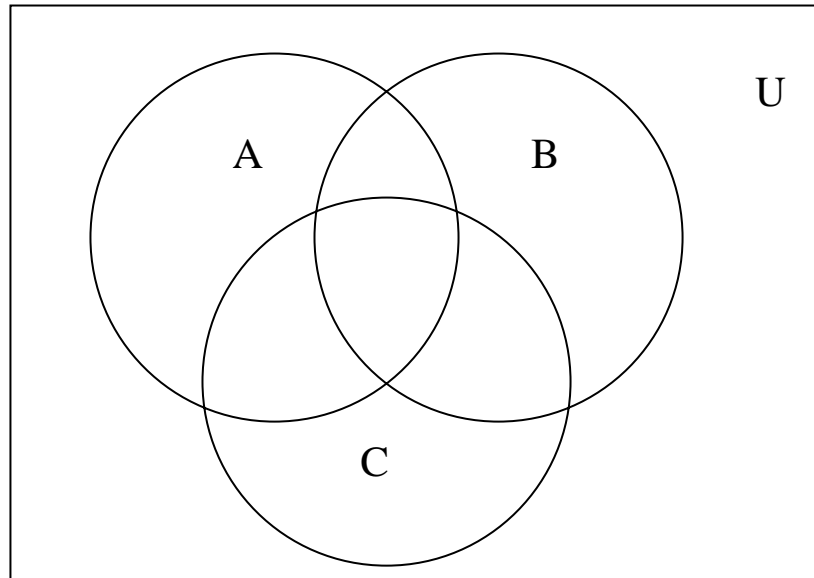
Example 12: Shade the portion of the Venn diagram that represents the given set.

$$(A^c \cup C^c \cup B^c)$$



Example 13: Shade the portion of the Venn diagram that represents the given set.

$$(A^c \cap C^c \cap B^c)$$



Example 14: Shade the portion of the Venn diagram that represents the given set.

$$B^c \cap (A^c \cap C)^c$$

