

Math 1324

Section 5.1 Part 3

Venn Diagrams

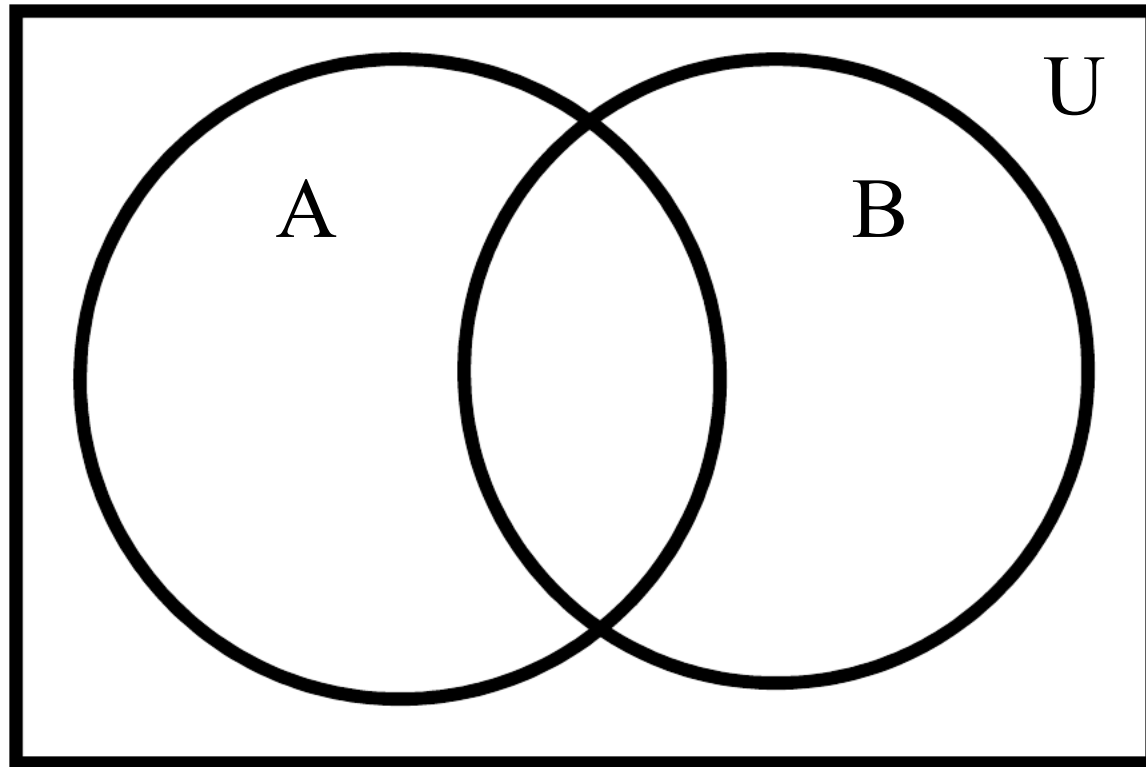
The videos corresponding to this worksheet can be found at

<https://online.math.uh.edu/Math1324/>.

UH students can also view the videos within the Math 1324 textbook.

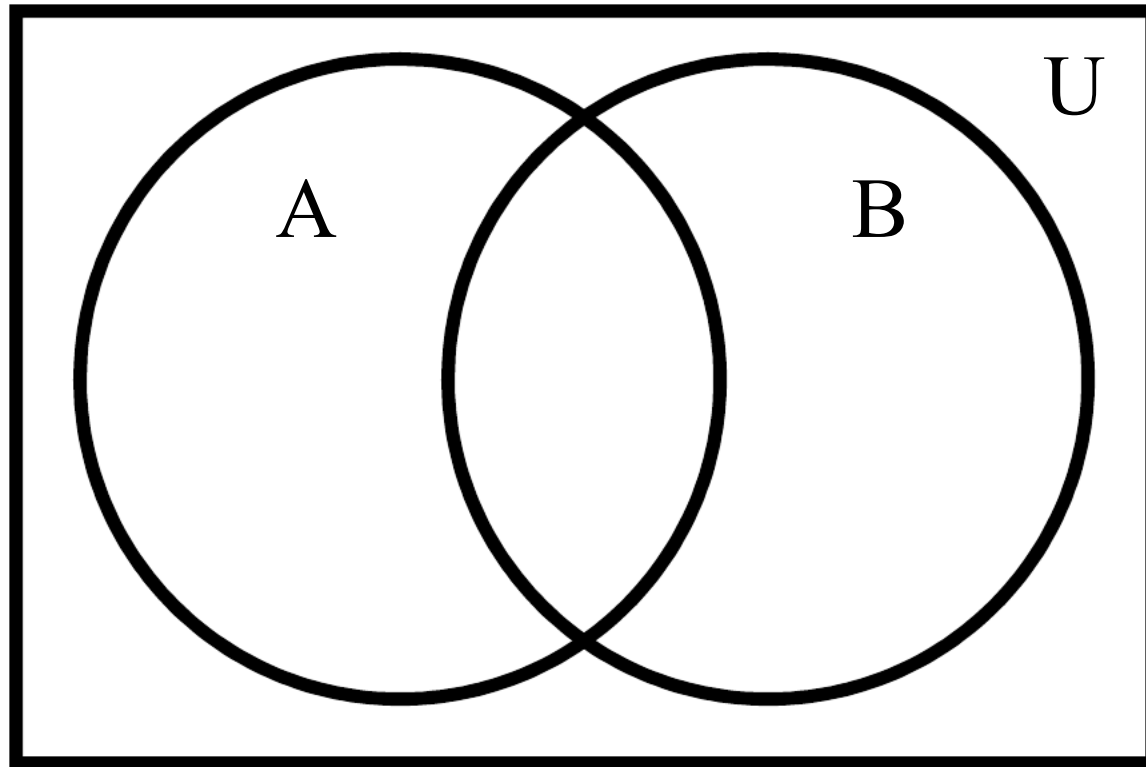
Example: Shade the portion of the Venn diagram that represents the given set.

$$A \cap B^c$$



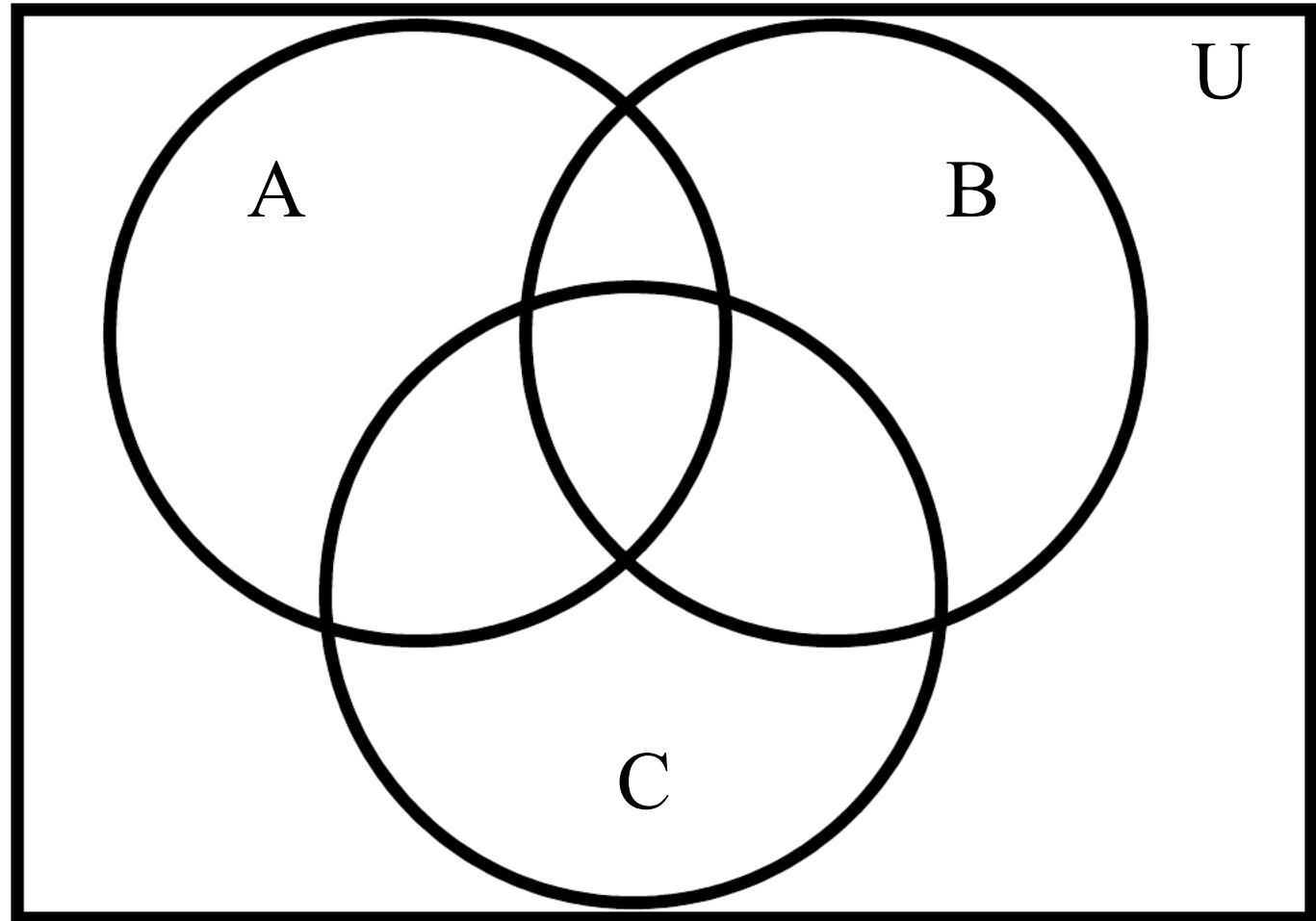
Example: Shade the portion of the Venn diagram that represents the given set.

$$A^c \cup B$$



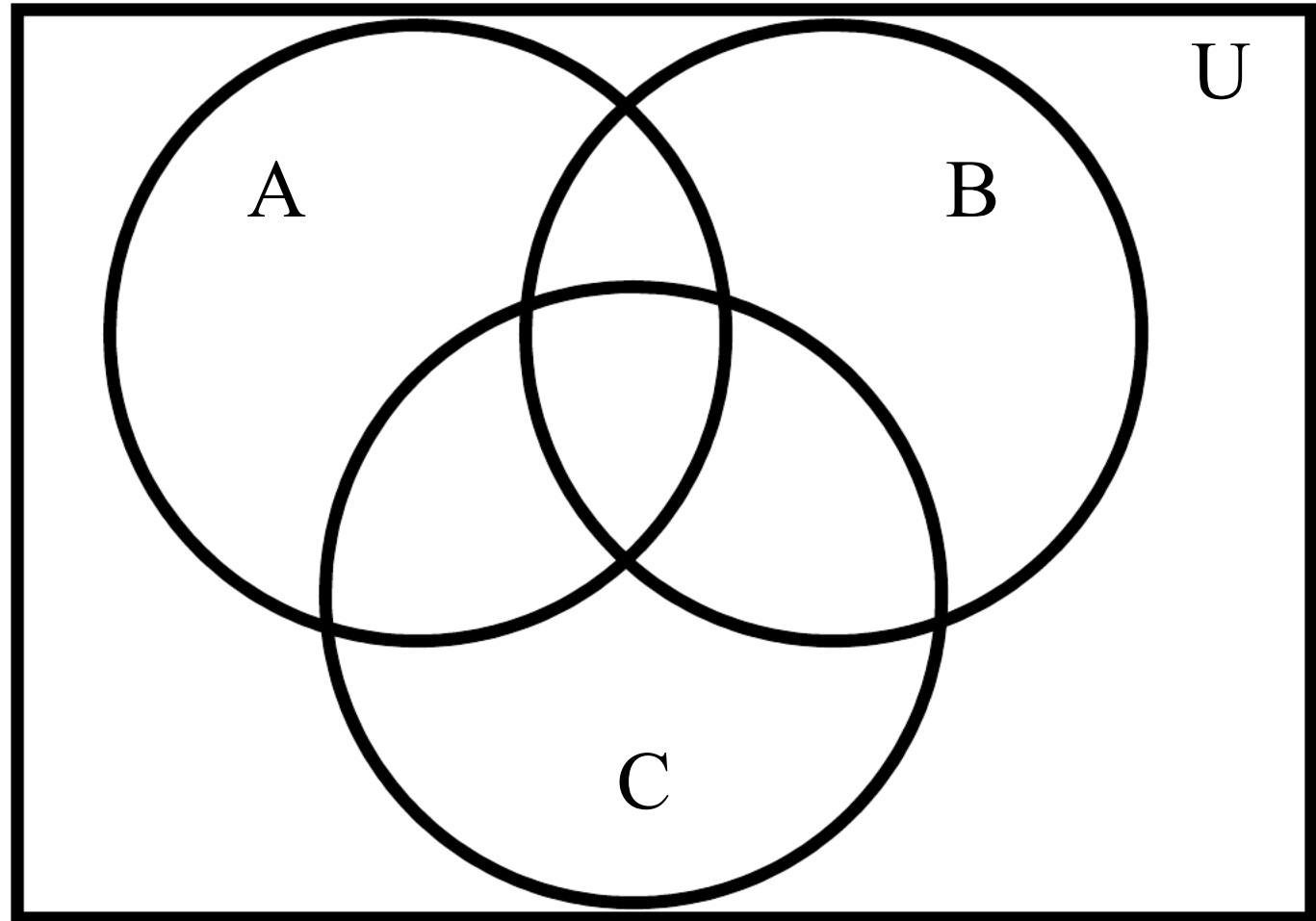
Example: Shade the portion of the Venn diagram that represents the given set.

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



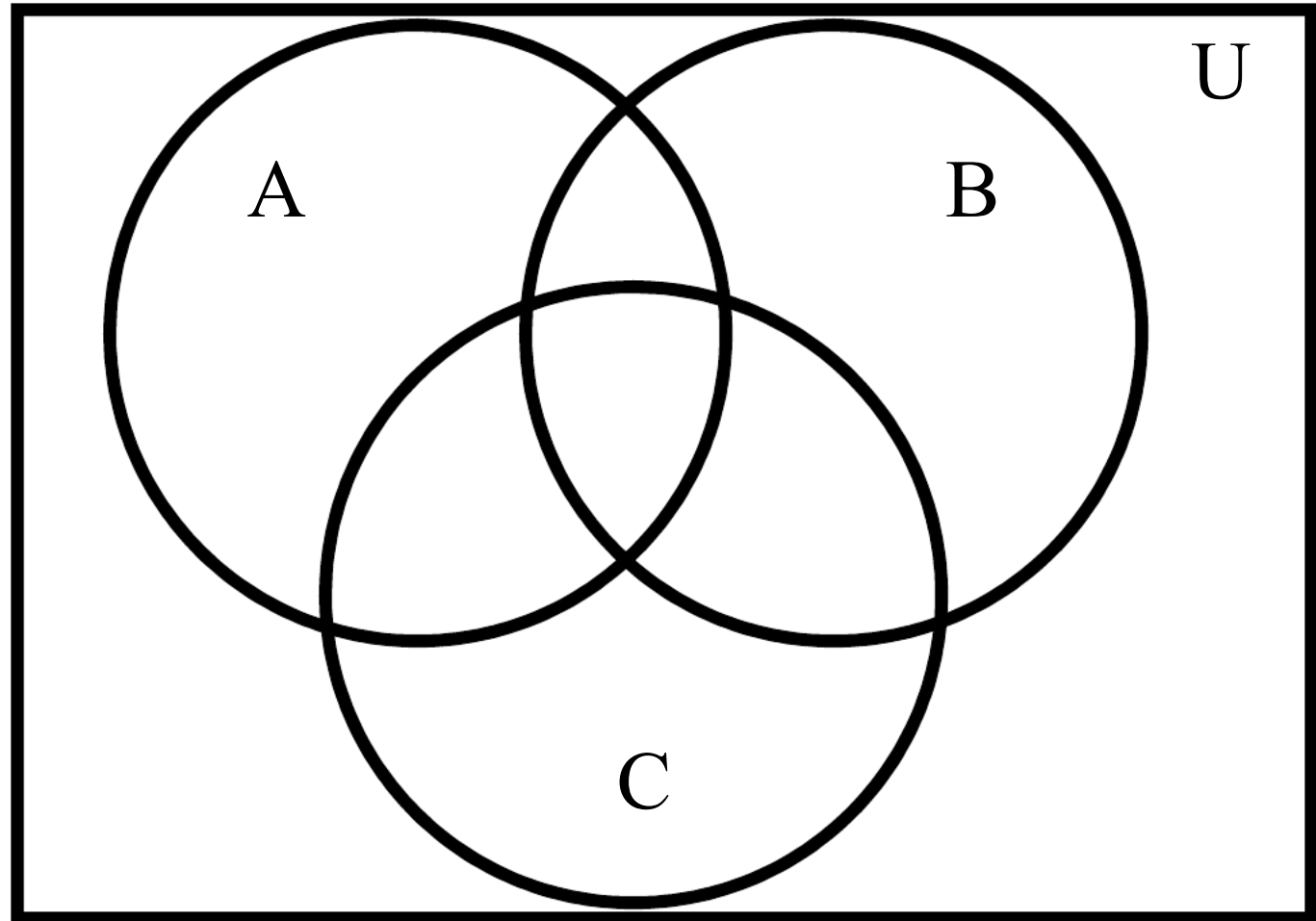
Example: Shade the portion of the Venn diagram that represents the given set.

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



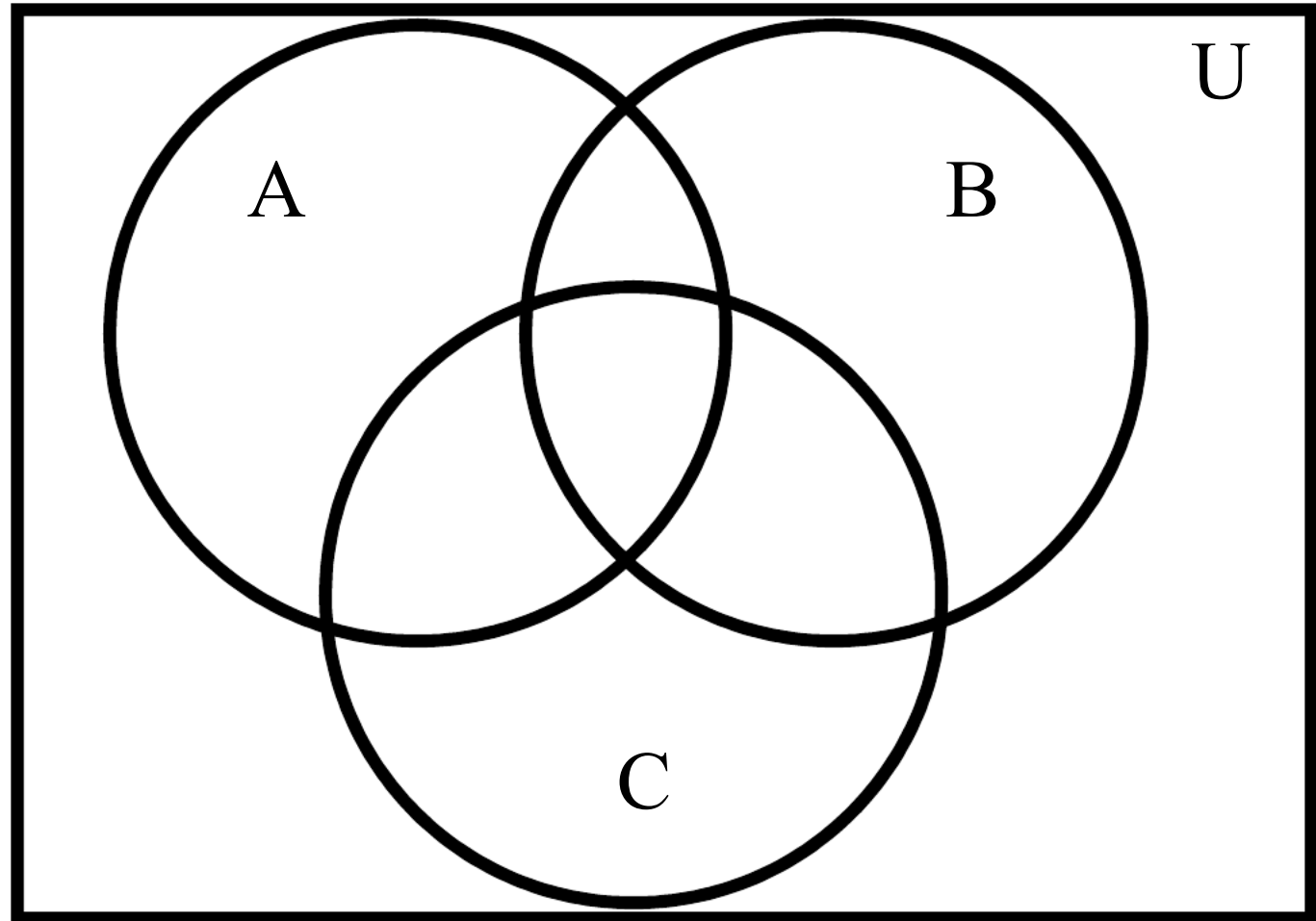
Example: Shade the portion of the Venn diagram that represents the given set.

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



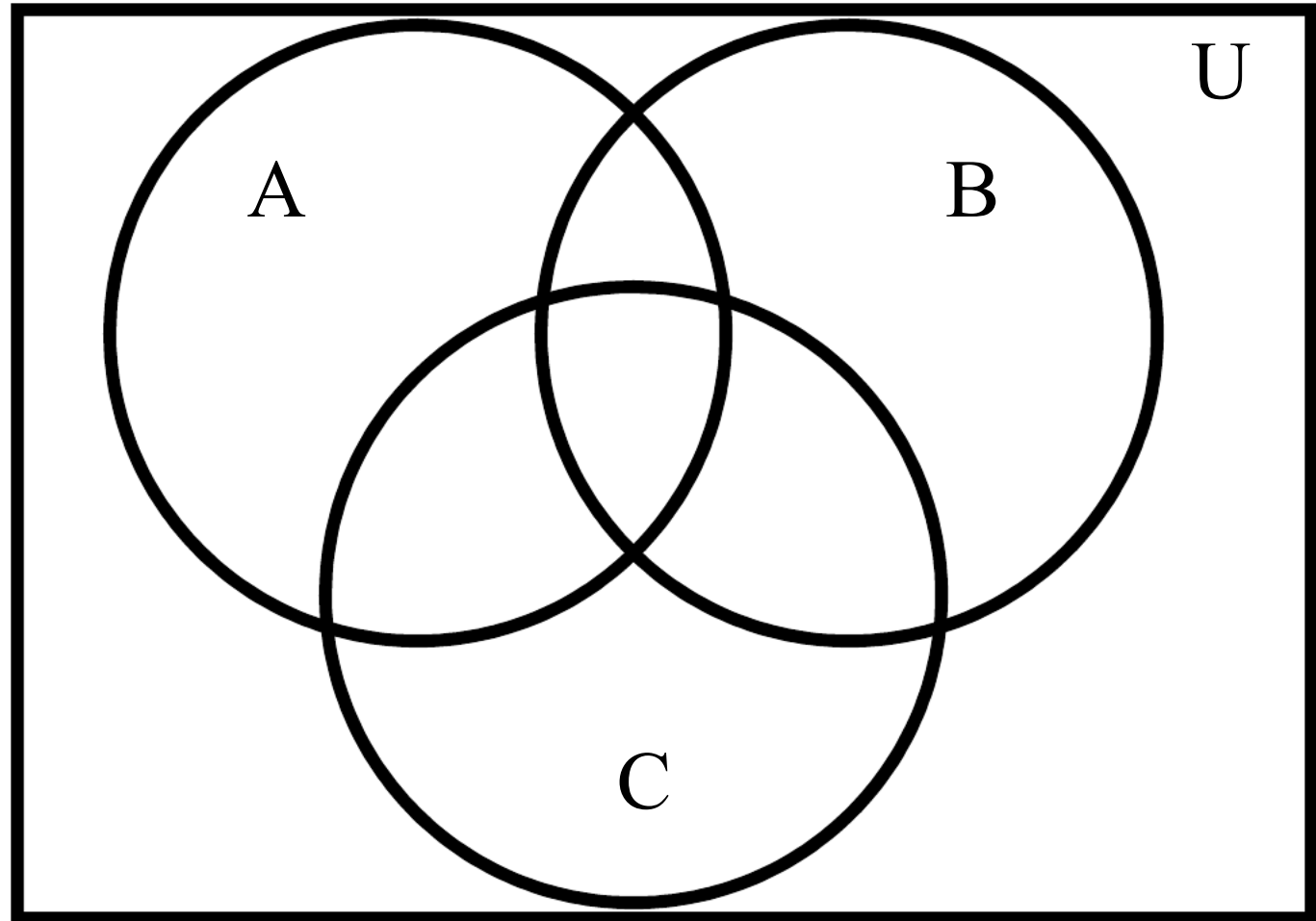
Example: Shade the portion of the Venn diagram that represents the given set.

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



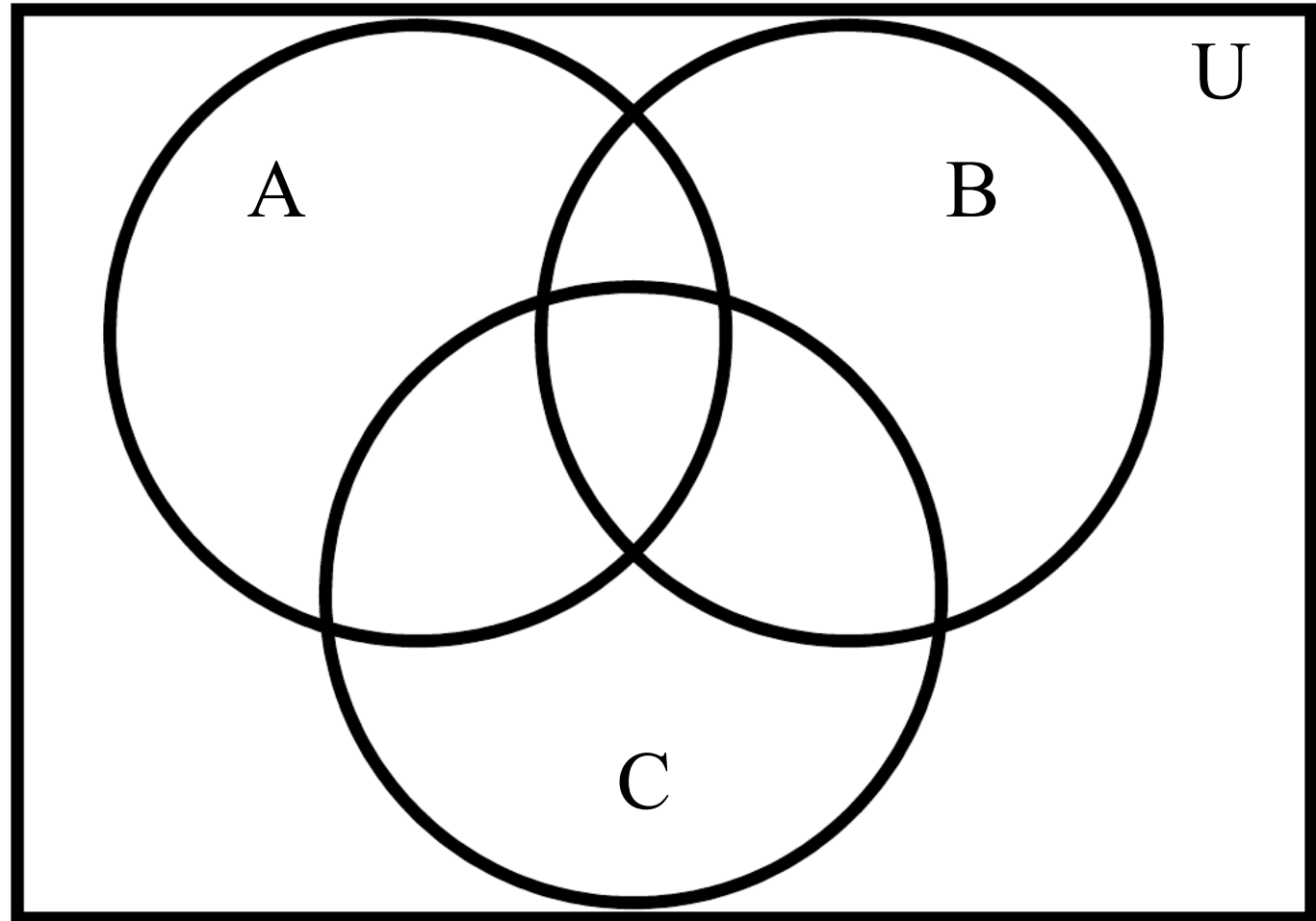
Example: Shade the portion of the Venn diagram that represents the given set.

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



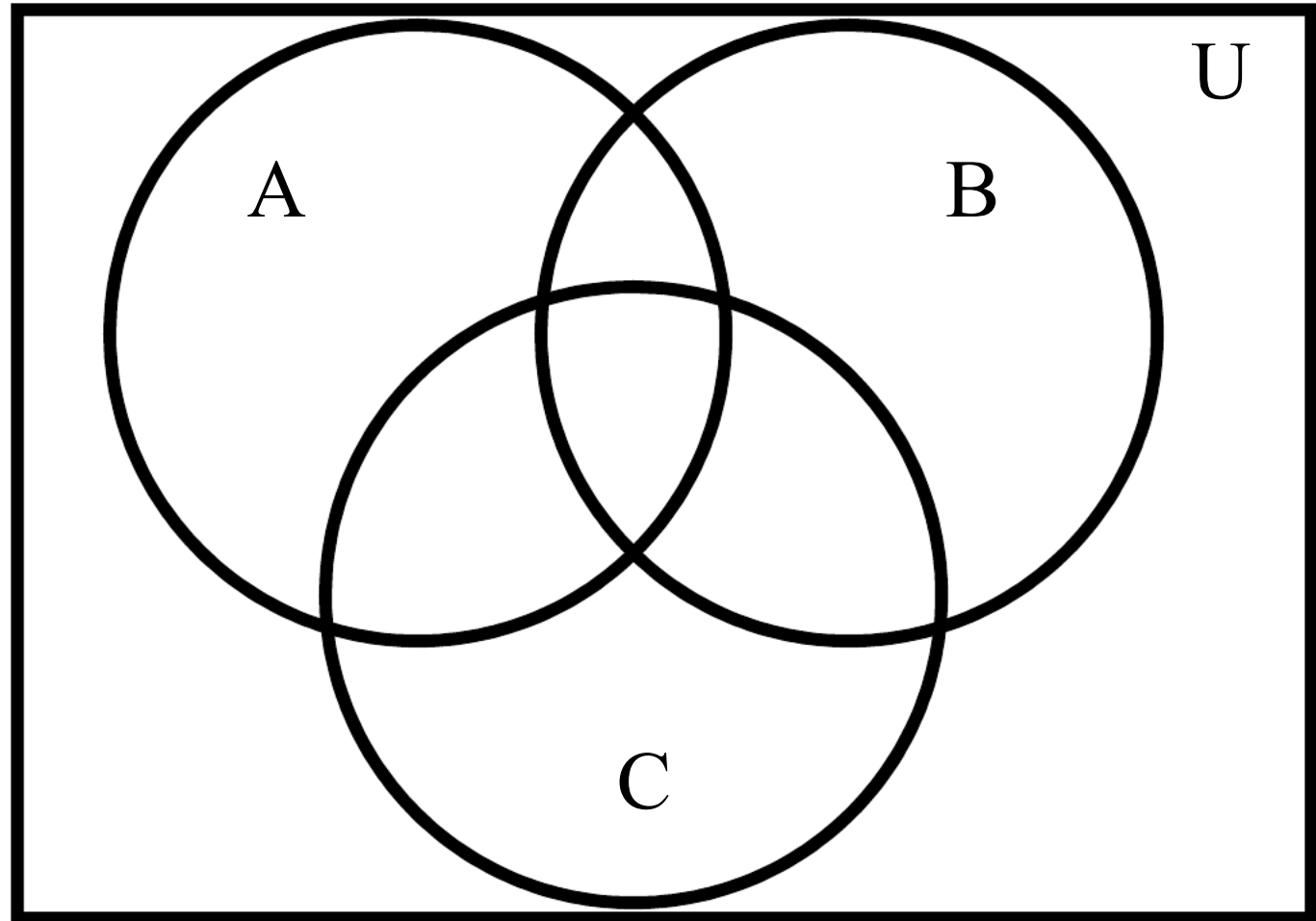
Example: Shade the portion of the Venn diagram that represents the given set.

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



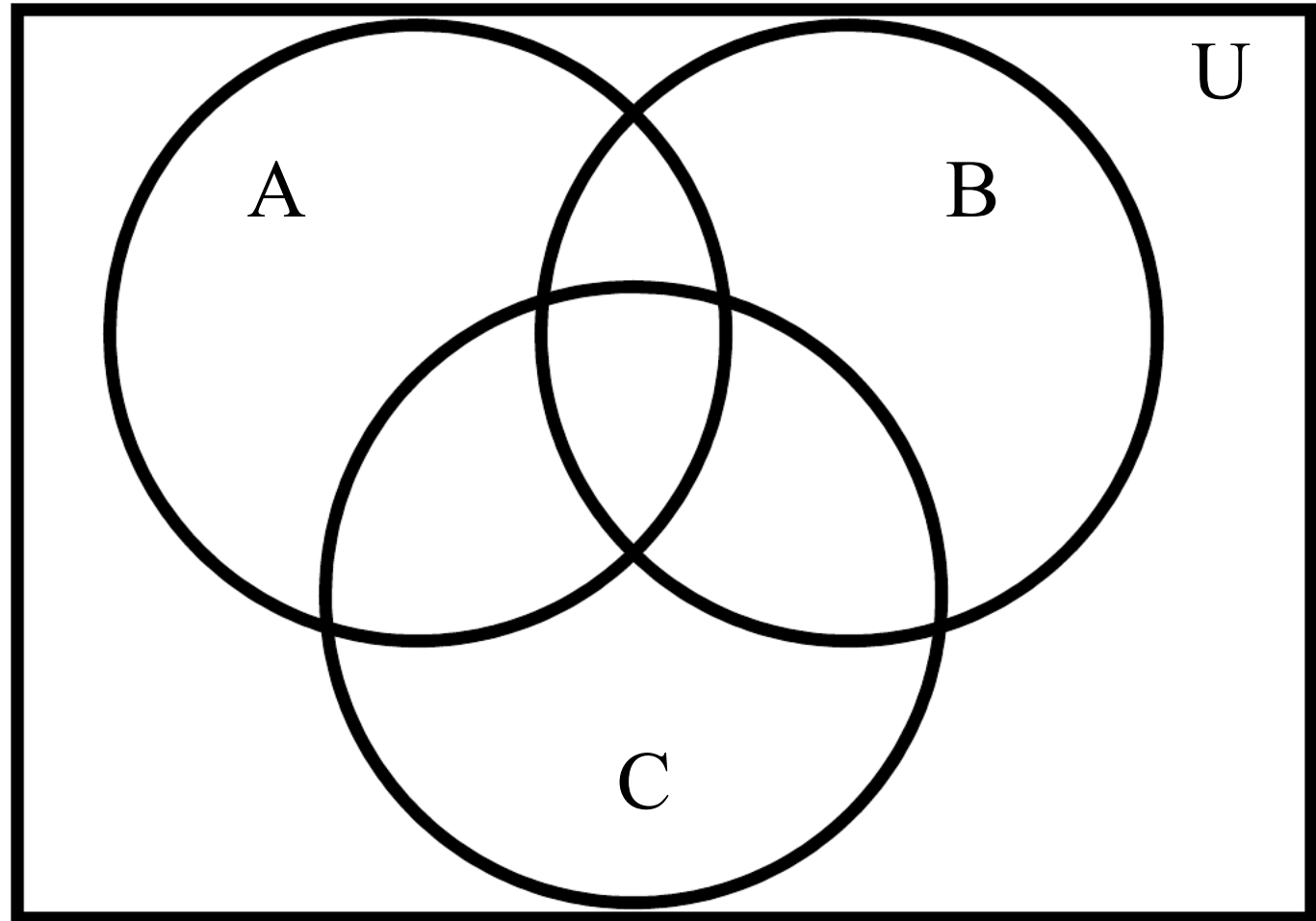
Example: Shade the portion of the Venn diagram that represents the given set.

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



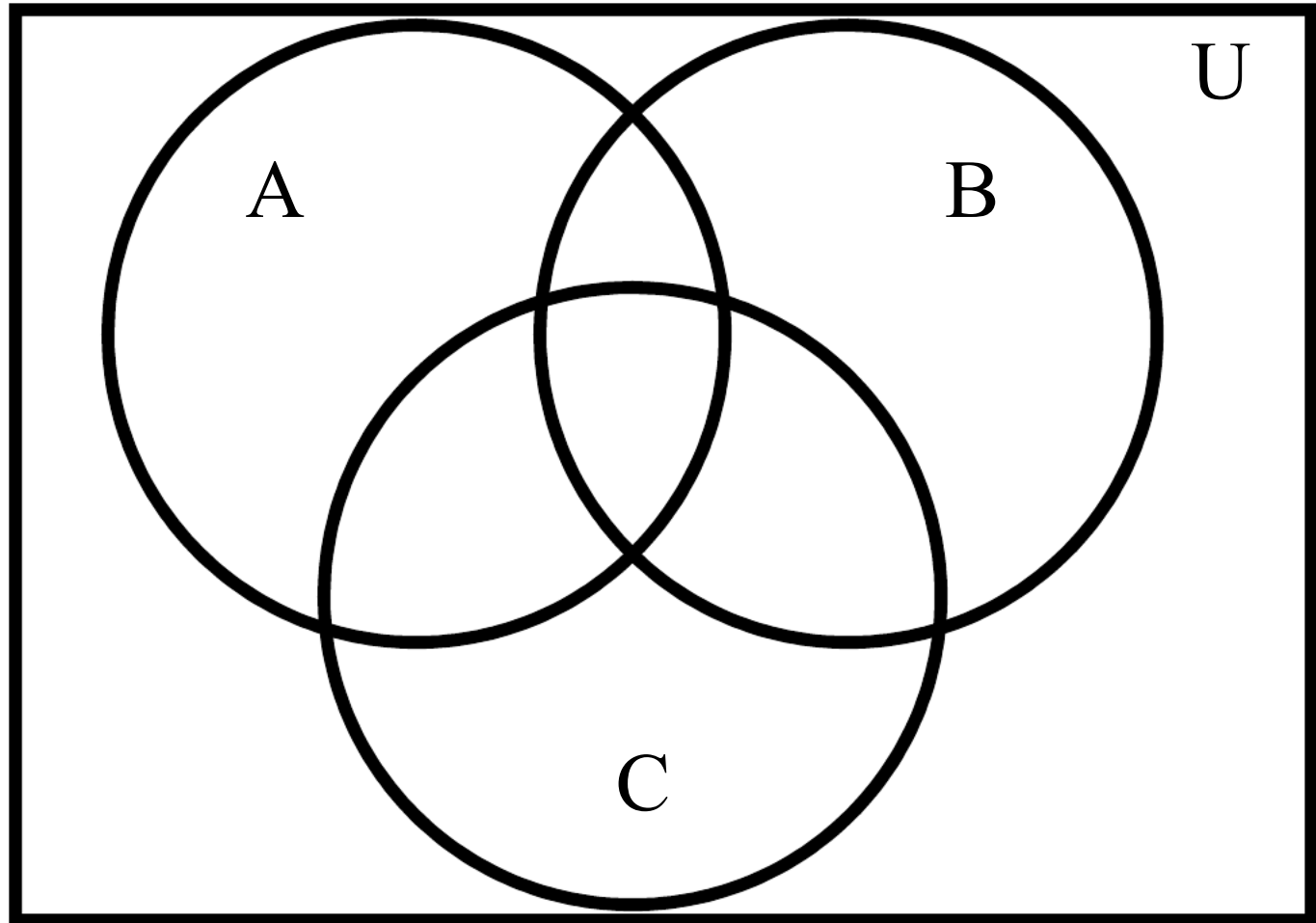
Example: Shade the portion of the Venn diagram that represents the given set.

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



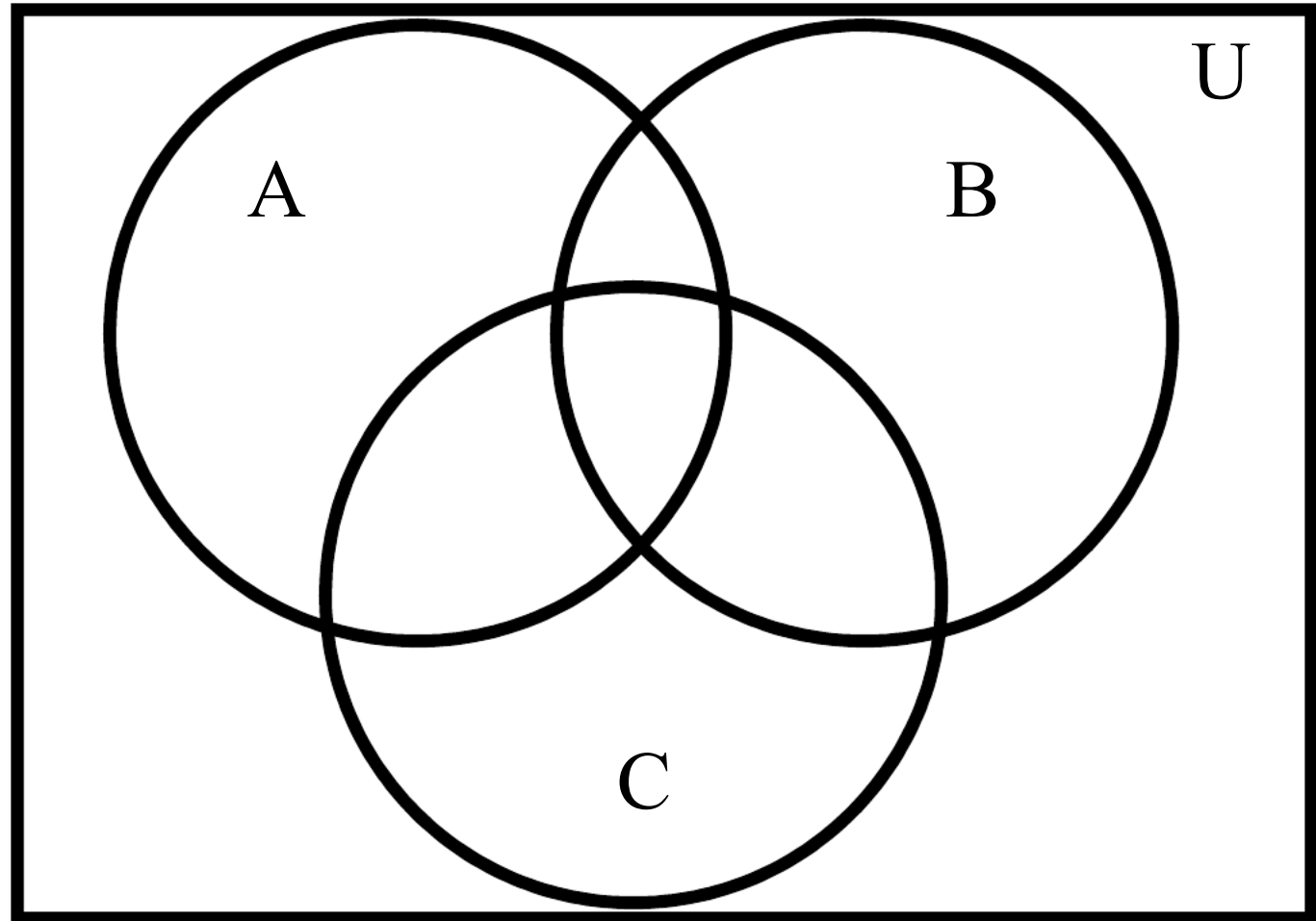
Example: Shade the portion of the Venn diagram that represents the given set.

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



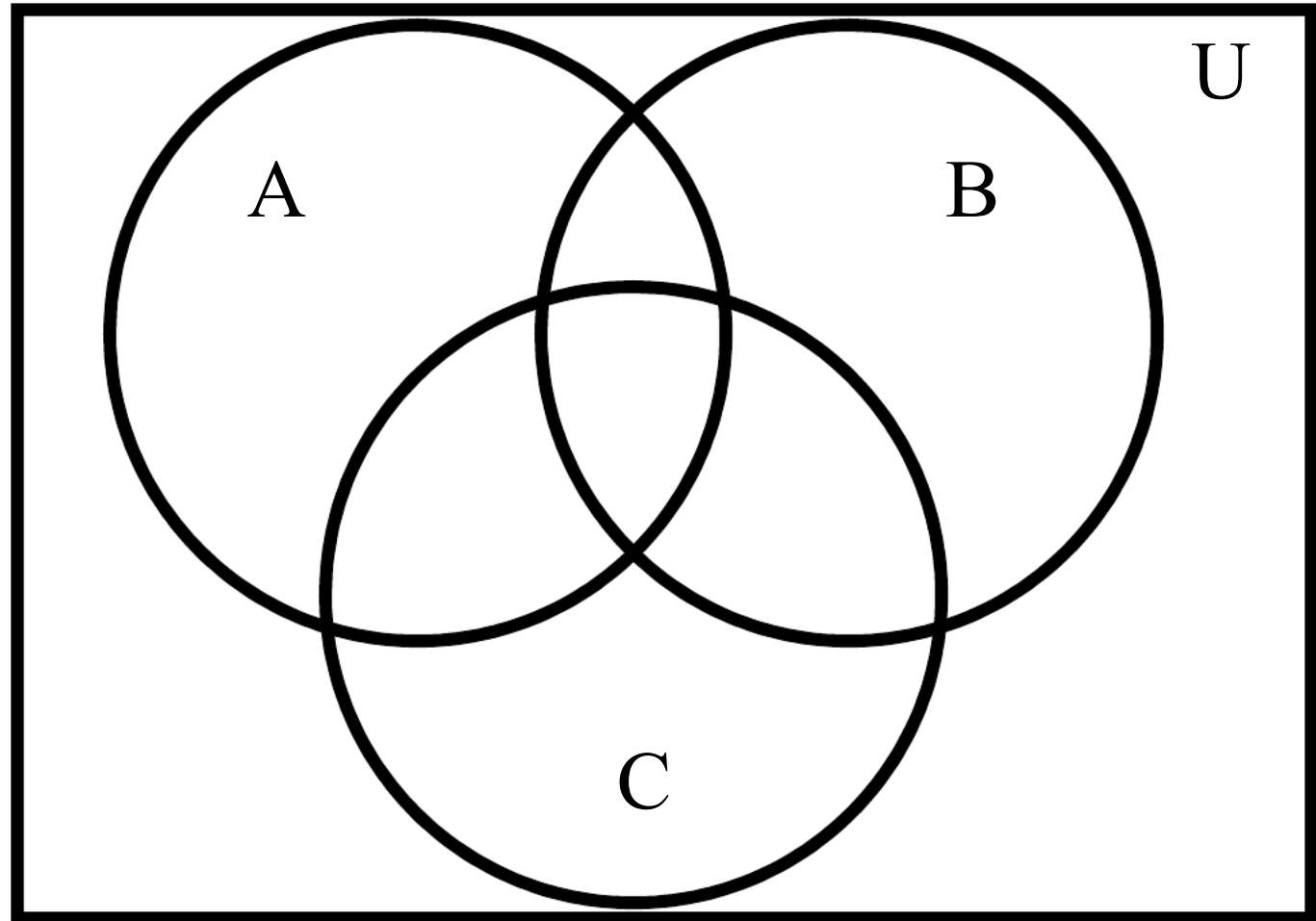
Example: Shade the portion of the Venn diagram that represents the given set.

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



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

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



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

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

