



Determine the shaded region of each diagram.

Answers

$B \cap (C - A)$

$(C \cup B) \cap A$

$(B \cup C) - A$

B

C

$A - (B \cap C)$

$(A \cup C) \cap B$

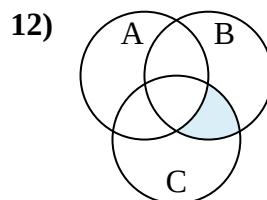
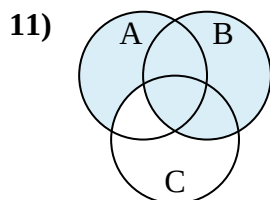
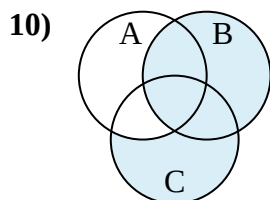
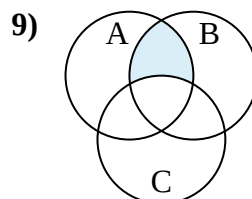
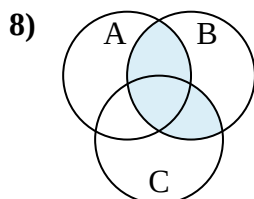
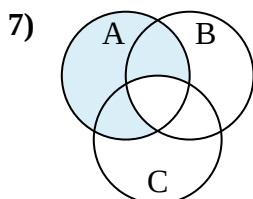
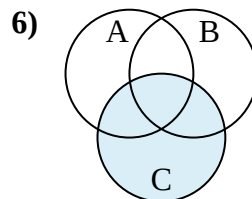
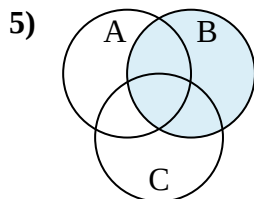
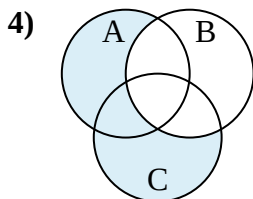
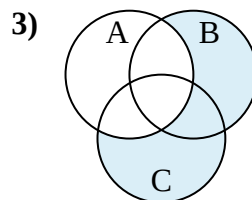
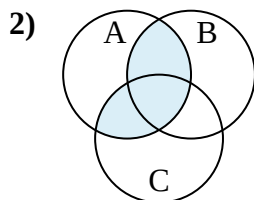
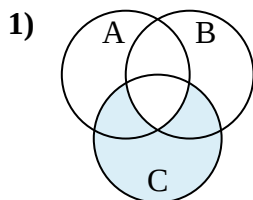
$B \cap (A - C)$

$C - (A \cap B)$

$B \cup (A - C)$

$B \cup (C - A)$

$(A \cup C) - B$



1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



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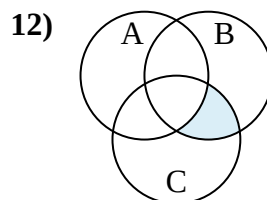
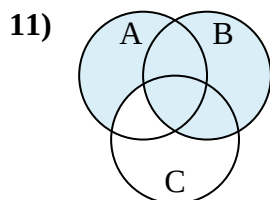
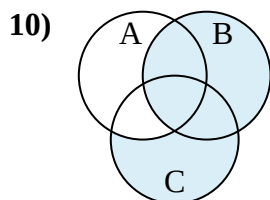
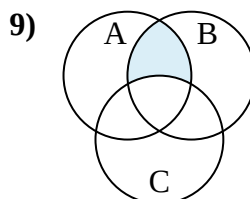
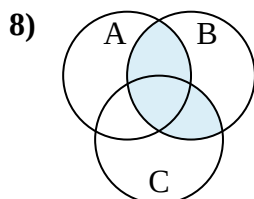
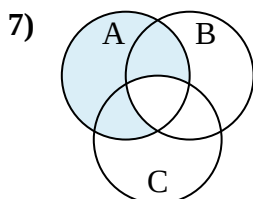
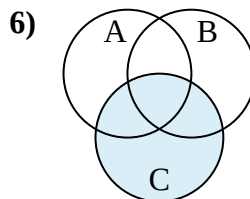
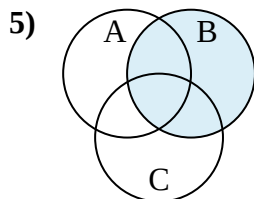
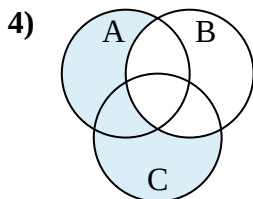
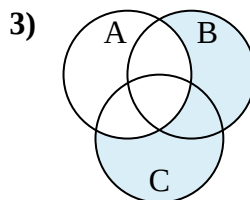
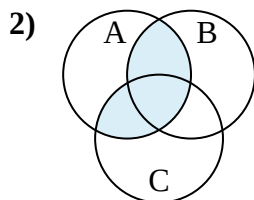
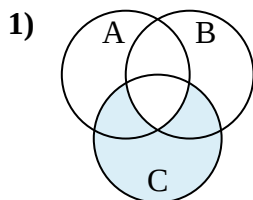
$B \cap (A - C)$

$C - (A \cap B)$

$B \cup (A - C)$

$B \cup (C - A)$

$(A \cup C) - B$

**Answers**

1. **$C - (A \cap B)$**

2. **$(C \cup B) \cap A$**

3. **$(B \cup C) - A$**

4. **$(A \cup C) - B$**

5. **B**

6. **C**

7. **$A - (B \cap C)$**

8. **$(A \cup C) \cap B$**

9. **$B \cap (A - C)$**

10. **$B \cup (C - A)$**

11. **$B \cup (A - C)$**

12. **$B \cap (C - A)$**