



Determine the shaded region of each diagram.

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

Answers

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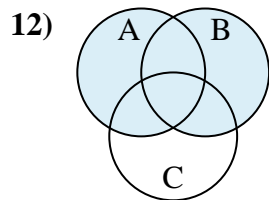
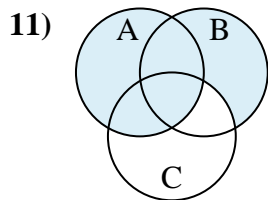
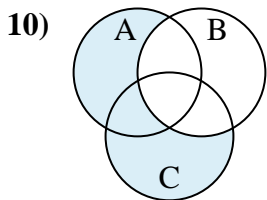
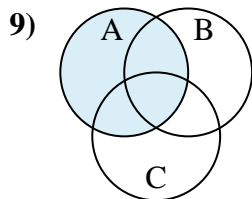
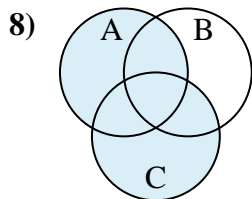
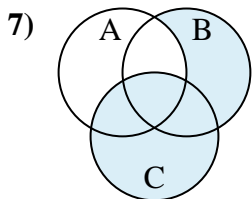
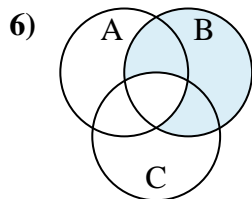
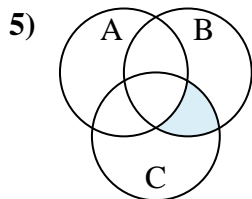
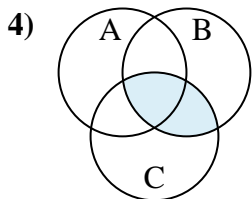
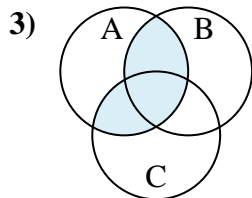
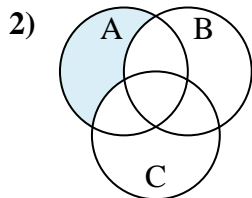
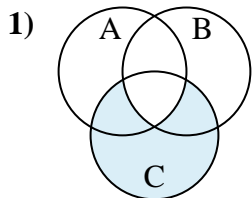
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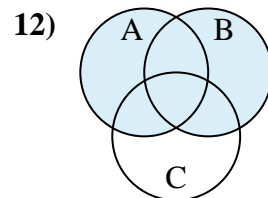
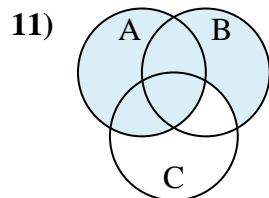
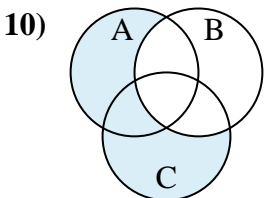
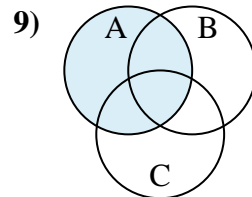
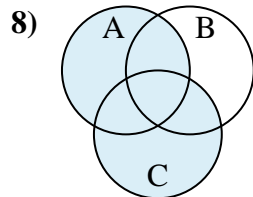
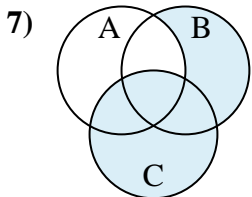
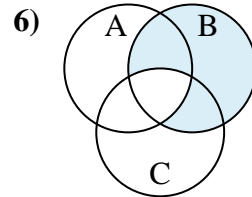
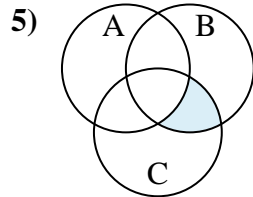
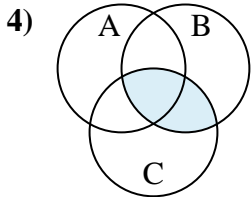
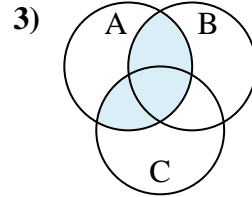
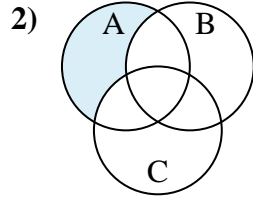
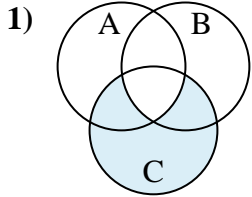




Determine the shaded region of each diagram.

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

Answers



1. **$C - (B \cap A)$**
2. **$A - (C \cup B)$**
3. **$(B \cup C) \cap A$**
4. **$B \cap C$**
5. **$B \cap (C - A)$**
6. **$B - (A \cap C)$**
7. **$C \cup (B - A)$**
8. **$C \cup A$**
9. **A**
10. **$(A \cup C) - B$**
11. **$A \cup (B - C)$**
12. **$B \cup A$**

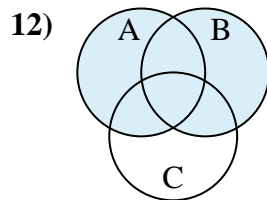
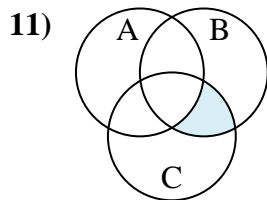
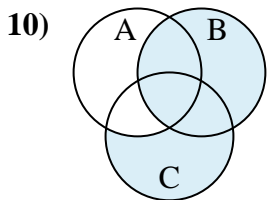
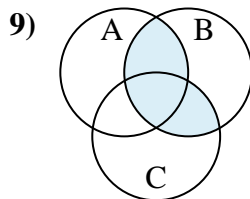
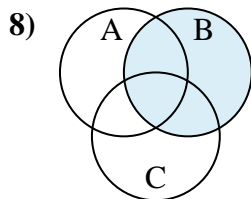
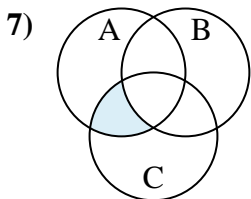
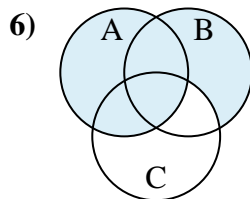
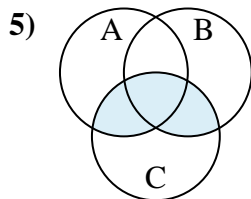
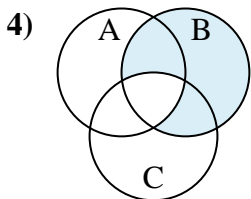
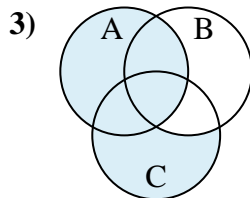
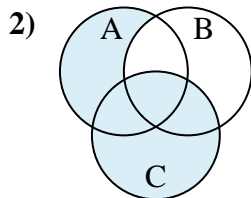
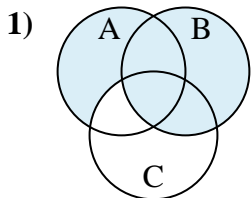


Determine the shaded region of each diagram.

Answers

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

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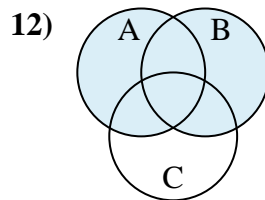
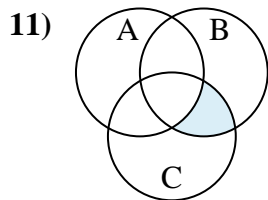
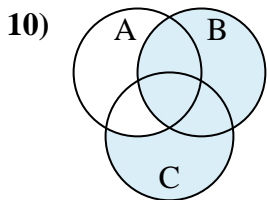
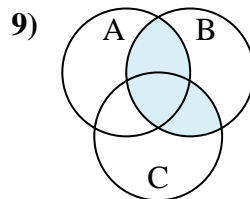
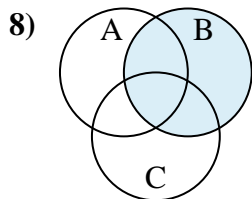
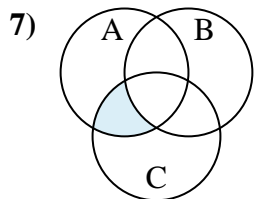
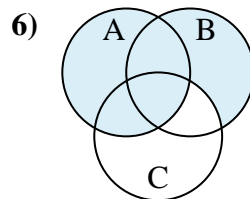
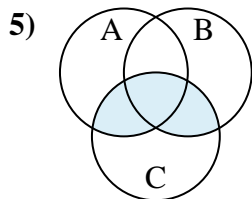
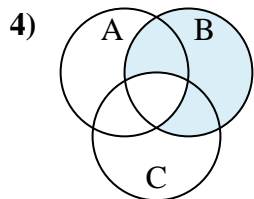
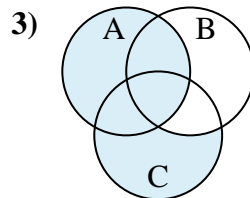
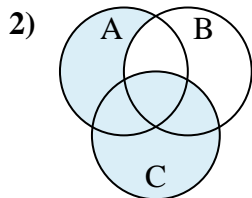
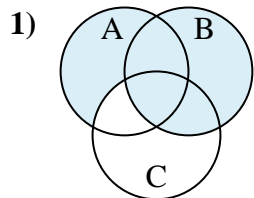




Determine the shaded region of each diagram.

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

Answers



1. $B \cup (A - C)$

2. $C \cup (A - B)$

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

4. $B - (C \cap A)$

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

6. $A \cup (B - C)$

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

8. B

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

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

11. $B \cap (C - A)$

12. $B \cup A$

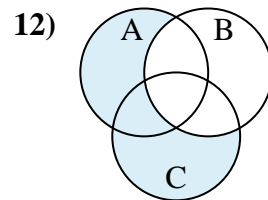
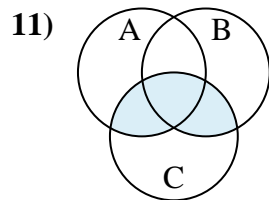
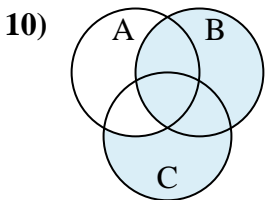
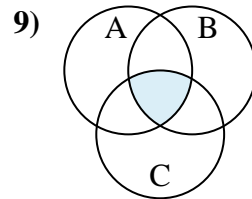
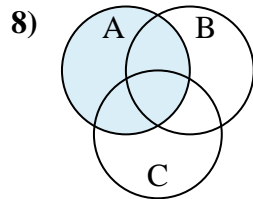
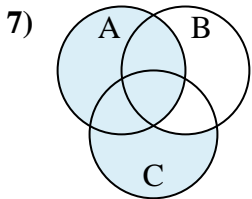
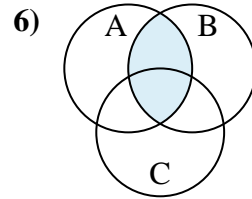
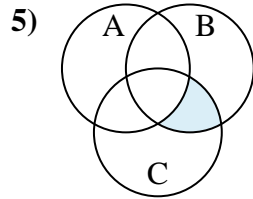
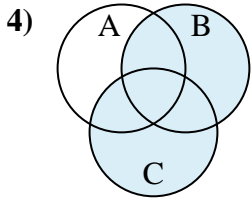
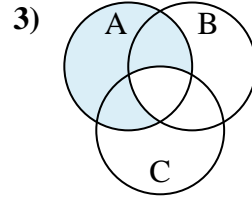
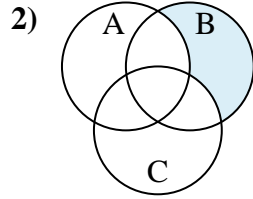
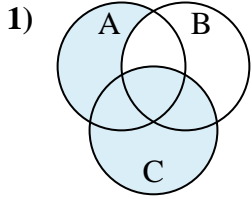


Determine the shaded region of each diagram.

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

Answers

1. _____
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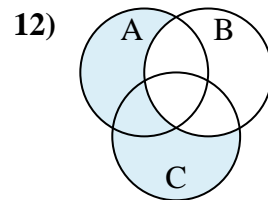
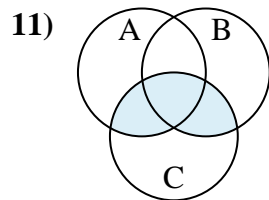
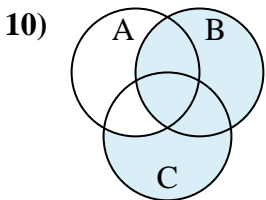
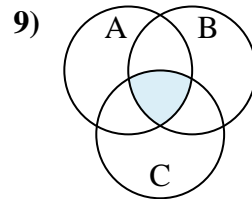
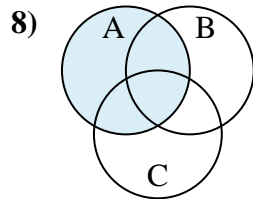
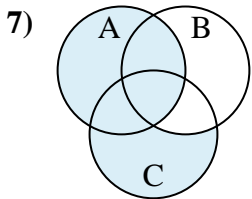
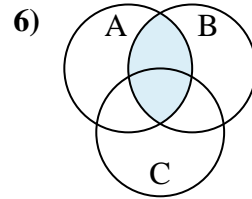
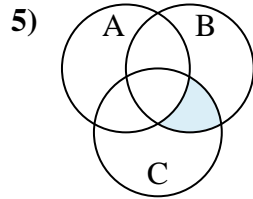
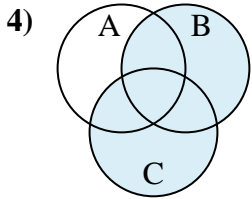
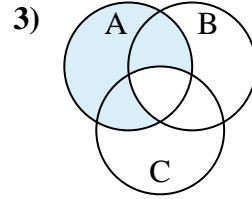
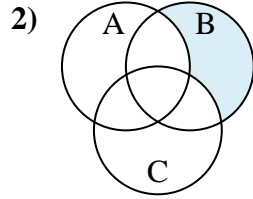
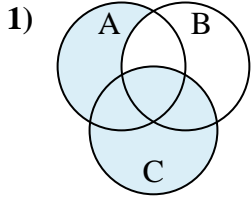




Determine the shaded region of each diagram.

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

Answers



1. $C \cup (A - B)$
2. $B - (C \cup A)$
3. $A - (B \cap C)$
4. $B \cup C$
5. $C \cap (B - A)$
6. $A \cap B$
7. $A \cup (C - B)$
8. A
9. $C \cap A \cap B$
10. $B \cup (C - A)$
11. $(B \cup A) \cap C$
12. $(C \cup A) - B$



Determine the shaded region of each diagram.

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

Answers

1. _____

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3. _____

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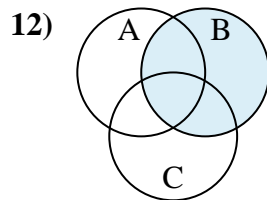
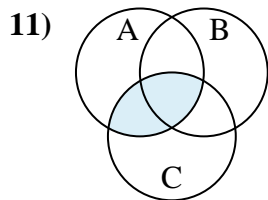
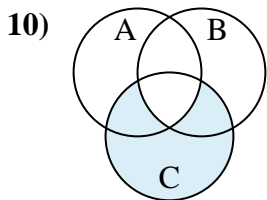
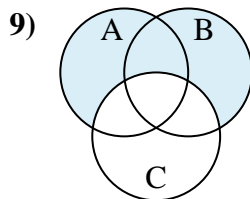
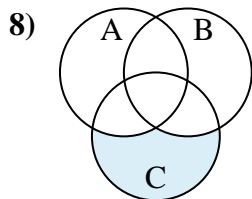
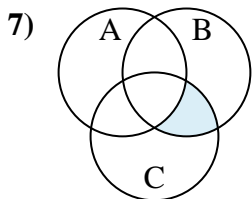
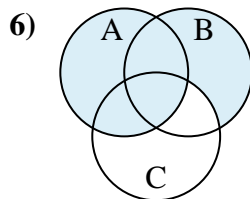
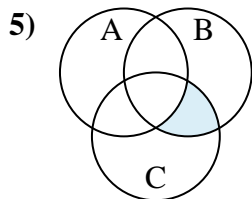
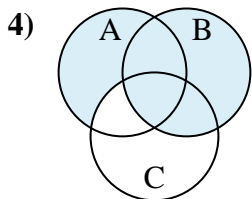
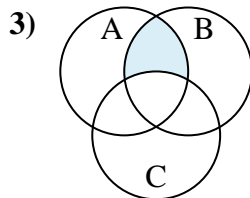
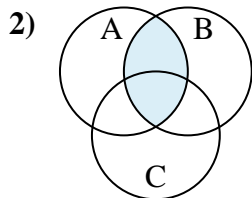
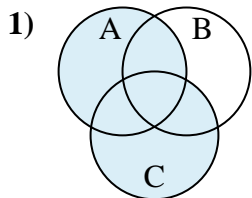
8. _____

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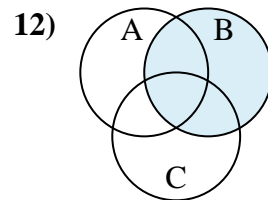
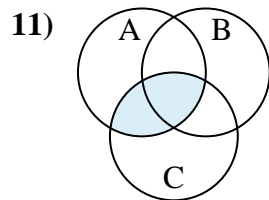
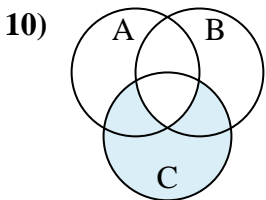
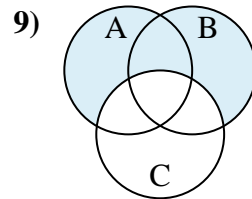
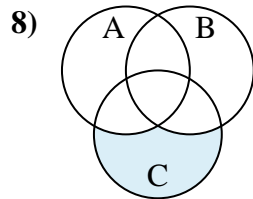
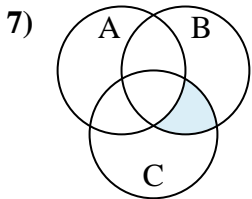
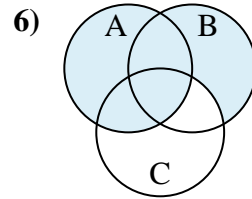
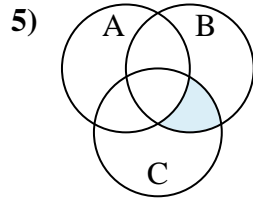
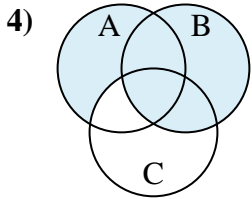
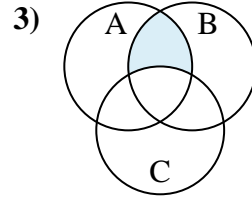
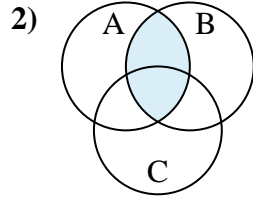
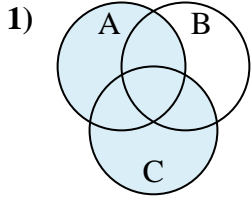




Determine the shaded region of each diagram.

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

Answers



1. $C \cup A$
2. $A \cap B$
3. $(A \cap B) - C$
4. $B \cup (A - C)$
5. $C \cap (B - A)$
6. $A \cup (B - C)$
7. $B \cap (C - A)$
8. $C - (B \cup A)$
9. $(B \cup A) - C$
10. $C - (A \cap B)$
11. $C \cap A$
12. B



Determine the shaded region of each diagram.

Answers

$B - (A \cup C)$

$B \cap C$

$(B \cup C) \cap A$

$C \cup (B - A)$

$(B \cap A) - C$

$A \cup B$

$B \cup (A - C)$

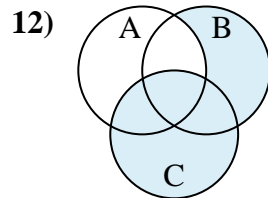
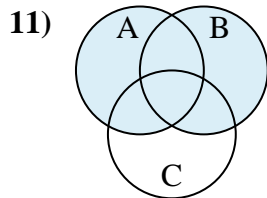
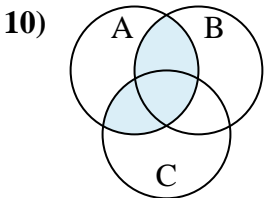
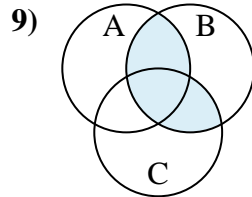
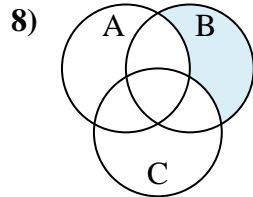
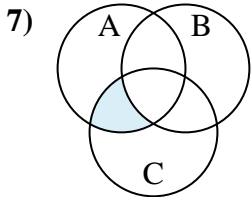
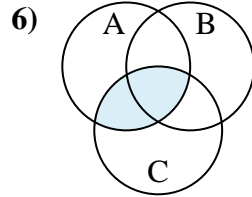
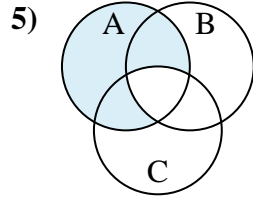
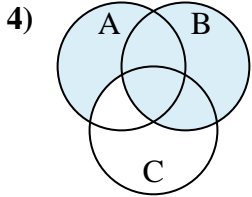
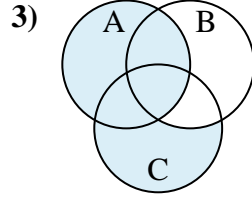
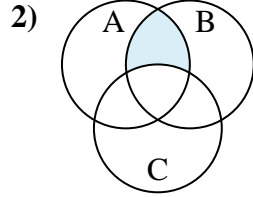
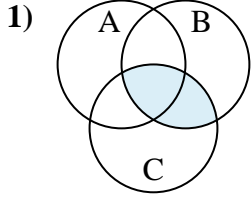
$A - (B \cap C)$

$(C \cup A) \cap B$

$C \cap (A - B)$

$C \cap A$

$A \cup (C - B)$



1. _____

2. _____

3. _____

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7. _____

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11. _____

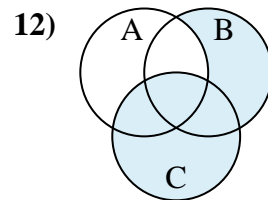
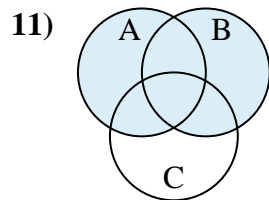
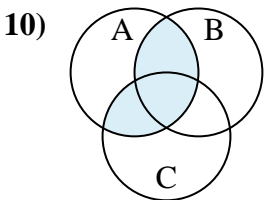
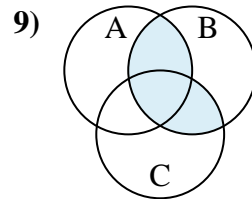
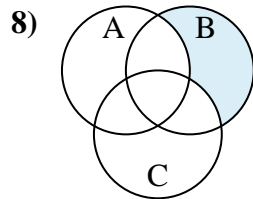
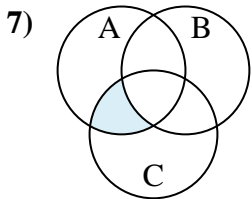
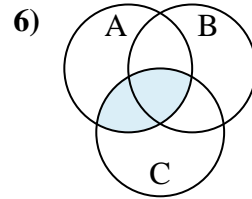
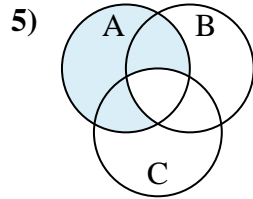
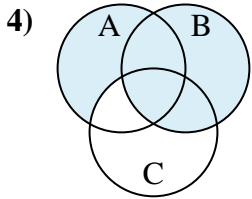
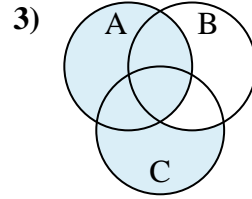
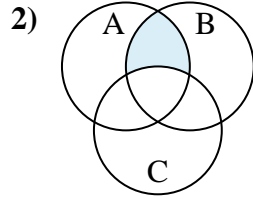
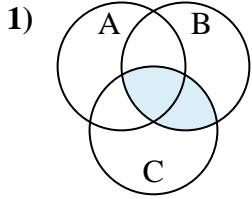
12. _____



Determine the shaded region of each diagram.

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

Answers



1. $B \cap C$
2. $(B \cap A) - C$
3. $A \cup (C - B)$
4. $B \cup (A - C)$
5. $A - (B \cap C)$
6. $C \cap A$
7. $C \cap (A - B)$
8. $B - (A \cup C)$
9. $(C \cup A) \cap B$
10. $(B \cup C) \cap A$
11. $A \cup B$
12. $C \cup (B - A)$

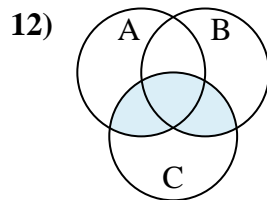
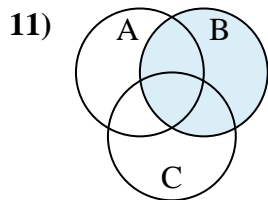
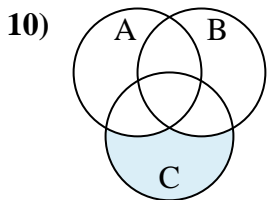
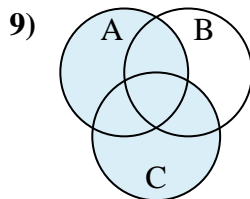
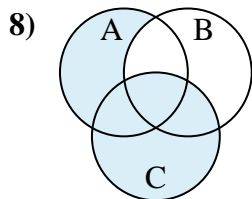
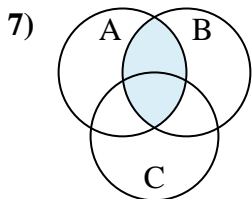
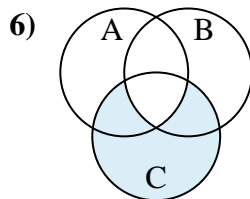
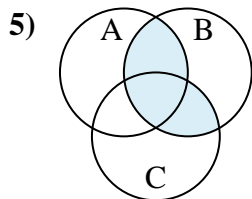
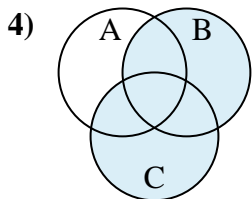
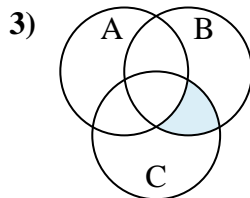
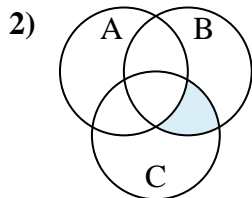
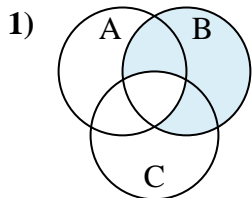


Determine the shaded region of each diagram.

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

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

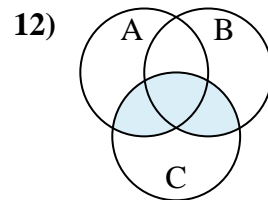
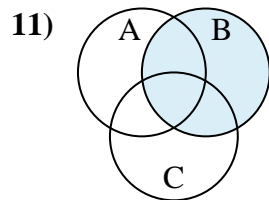
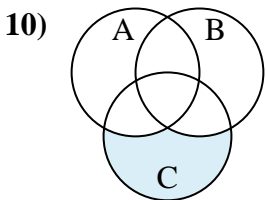
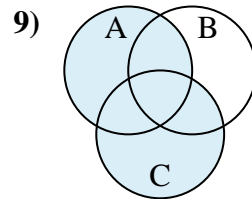
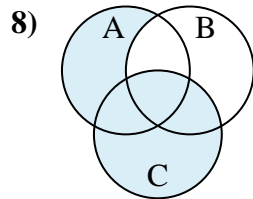
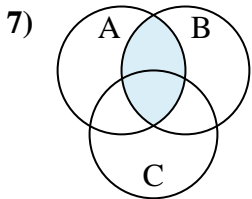
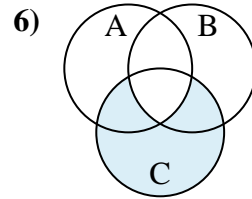
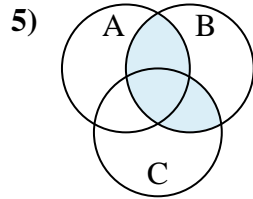
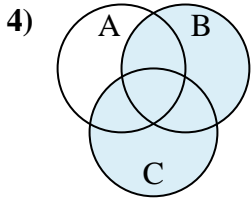
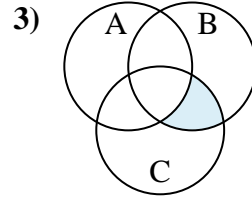
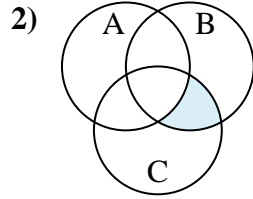
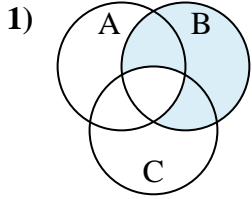




Determine the shaded region of each diagram.

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

Answers



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

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

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

4. **$C \cup B$**

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

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

7. **$A \cap B$**

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

9. **$A \cup C$**

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

11. **B**

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

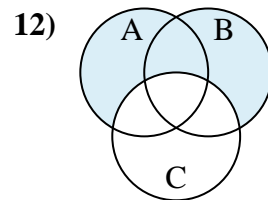
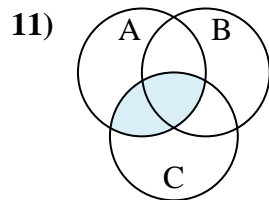
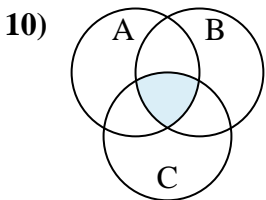
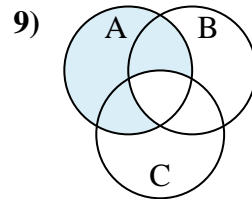
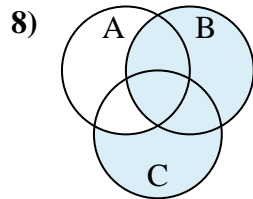
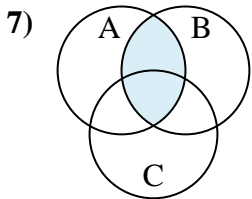
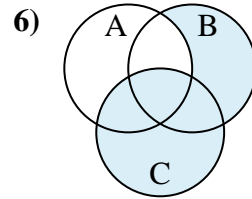
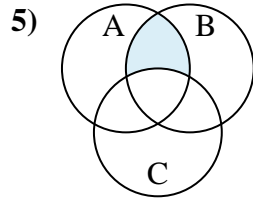
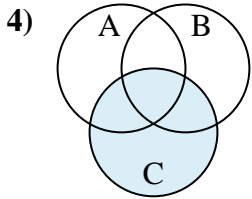
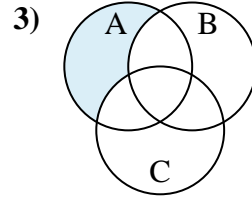
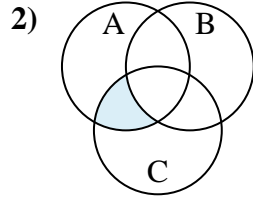
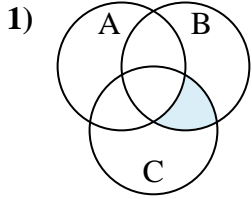


Determine the shaded region of each diagram.

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

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
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7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

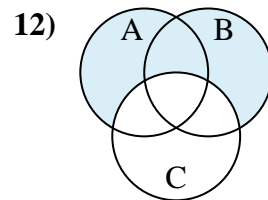
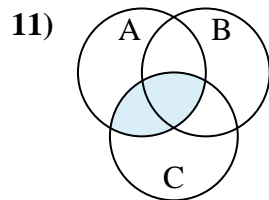
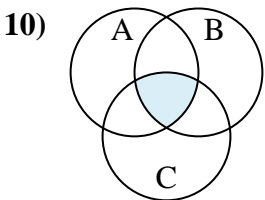
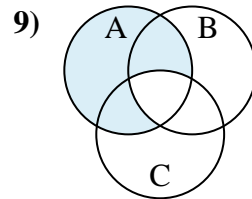
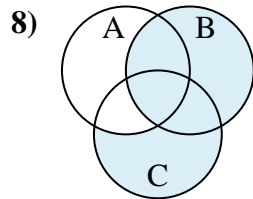
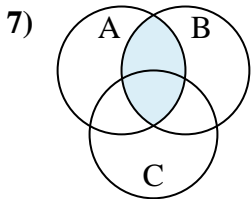
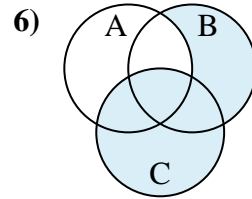
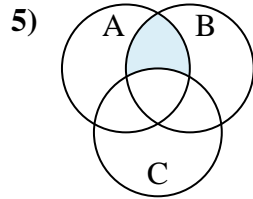
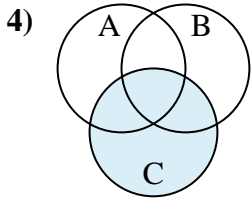
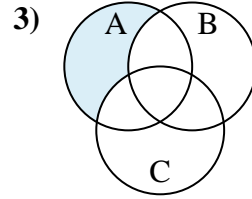
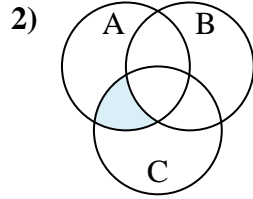
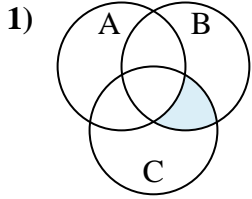




Determine the shaded region of each diagram.

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

Answers



1. $B \cap (C - A)$
2. $A \cap (C - B)$
3. $A - (C \cup B)$
4. C
5. $A \cap (B - C)$
6. $C \cup (B - A)$
7. $B \cap A$
8. $B \cup (C - A)$
9. $A - (C \cap B)$
10. $A \cap B \cap C$
11. $A \cap C$
12. $(B \cup A) - C$



Determine the shaded region of each diagram.

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

Answers

1. _____

2. _____

3. _____

4. _____

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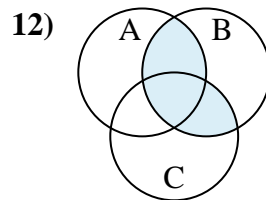
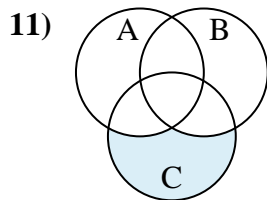
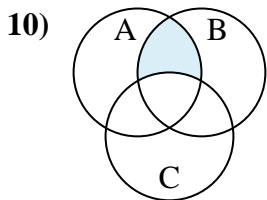
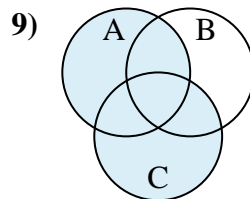
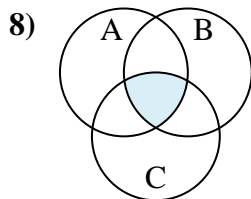
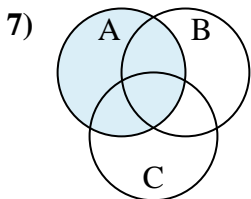
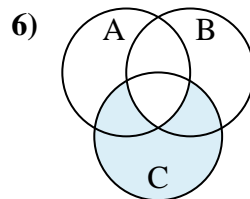
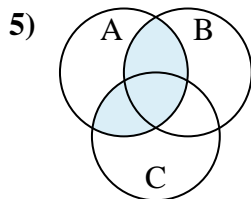
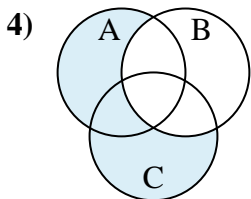
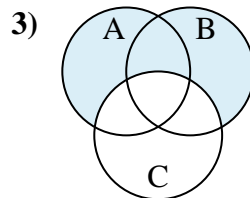
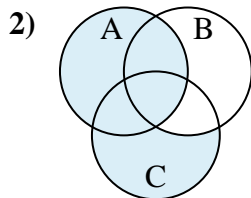
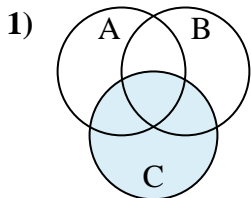
8. _____

9. _____

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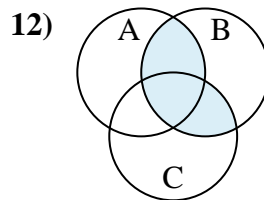
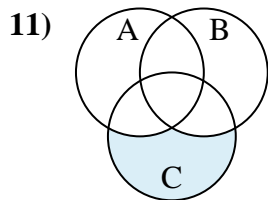
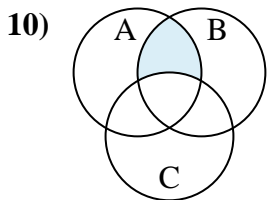
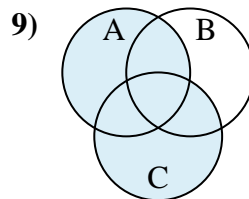
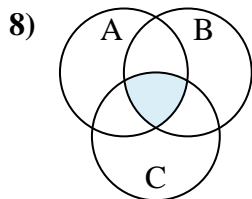
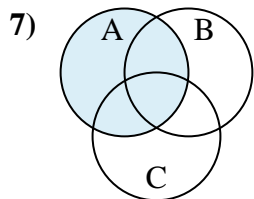
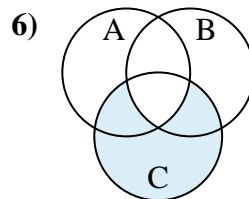
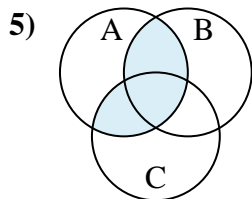
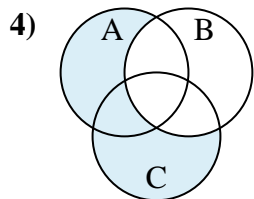
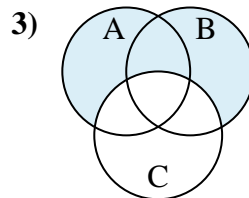
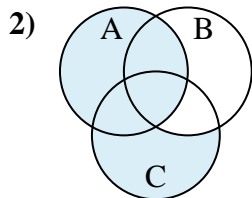
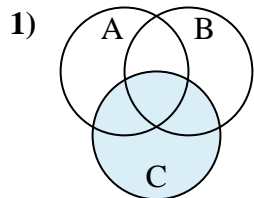




Determine the shaded region of each diagram.

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

Answers



1. C

2. $A \cup (C - B)$

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

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

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

6. $C - (B \cap A)$

7. A

8. $A \cap B \cap C$

9. $A \cup C$

10. $A \cap (B - C)$

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

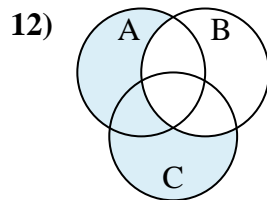
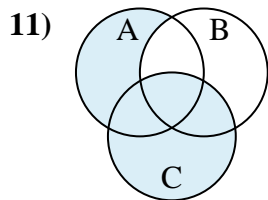
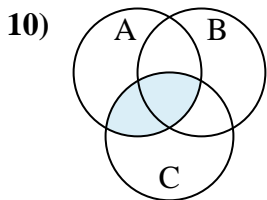
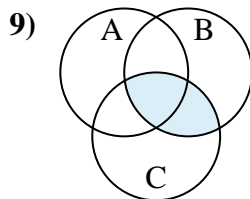
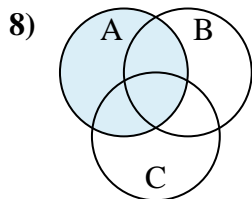
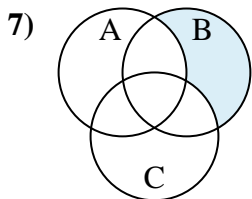
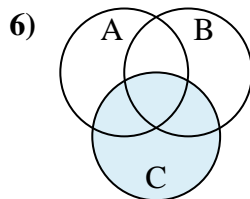
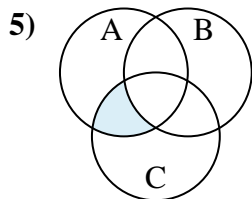
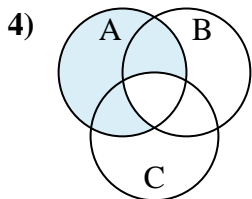
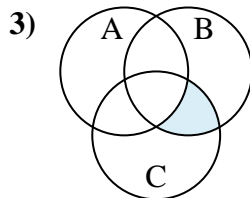
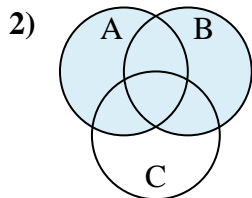
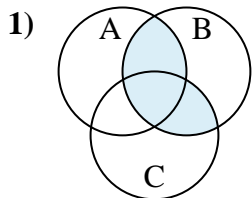
12. $(C \cup A) \cap B$



Determine the shaded region of each diagram.

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

Answers



1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

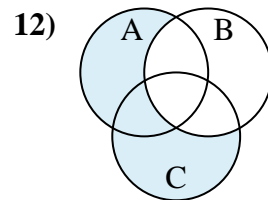
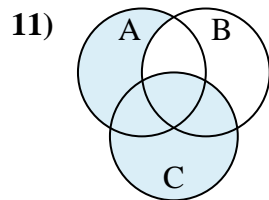
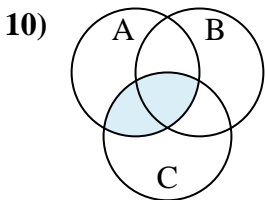
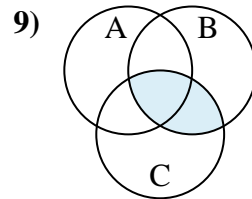
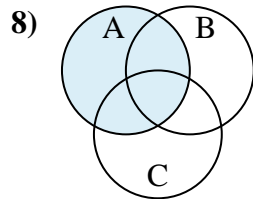
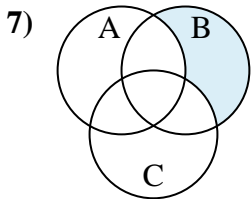
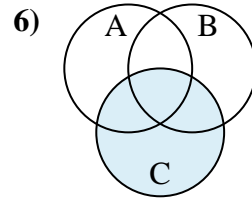
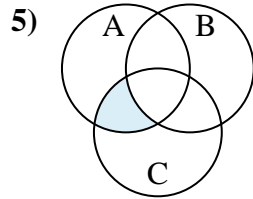
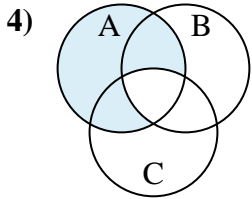
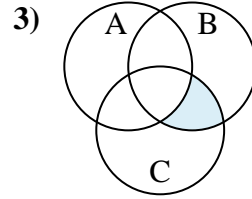
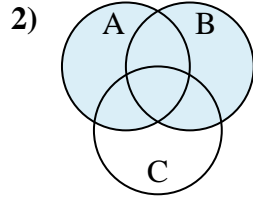
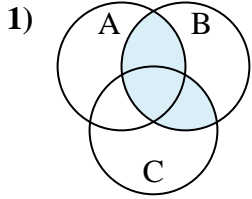
12. _____



Determine the shaded region of each diagram.

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

Answers



1. $(A \cup C) \cap B$
2. $B \cup A$
3. $B \cap (C - A)$
4. $A - (C \cap B)$
5. $(C \cap A) - B$
6. C
7. $B - (A \cup C)$
8. A
9. $B \cap C$
10. $C \cap A$
11. $C \cup (A - B)$
12. $(A \cup C) - B$



Determine the shaded region of each diagram.

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

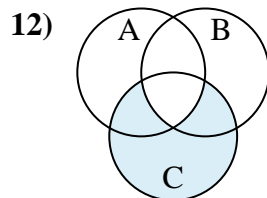
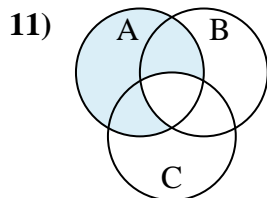
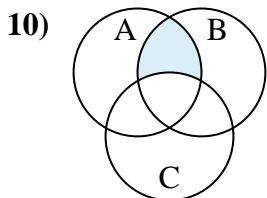
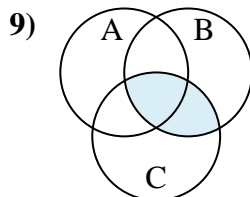
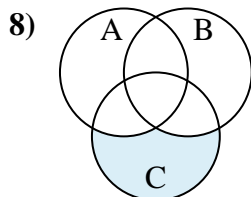
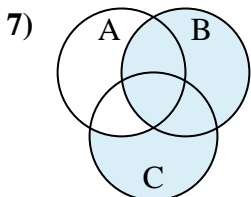
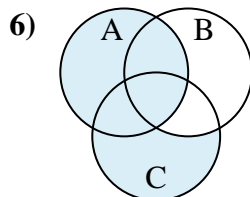
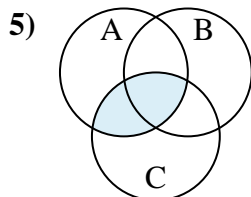
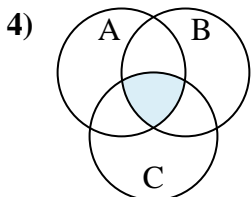
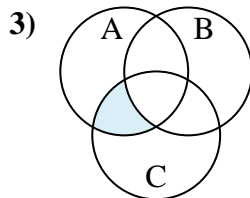
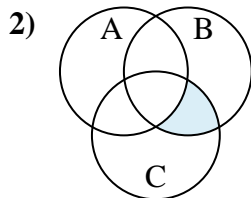
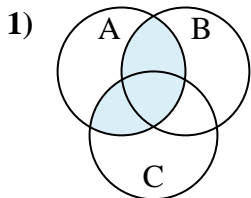
8. _____

9. _____

10. _____

11. _____

12. _____

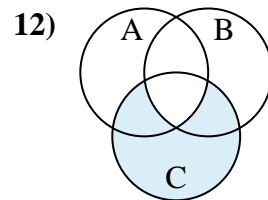
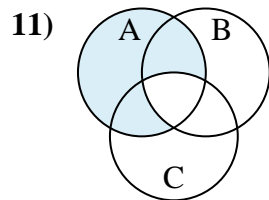
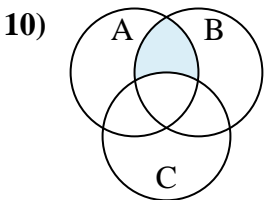
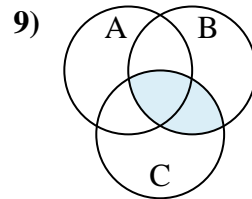
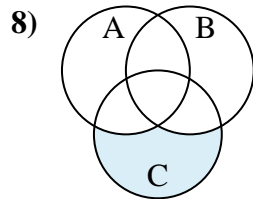
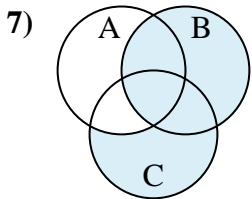
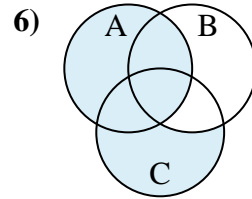
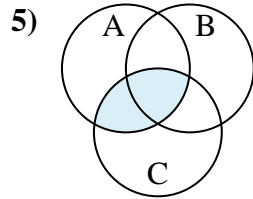
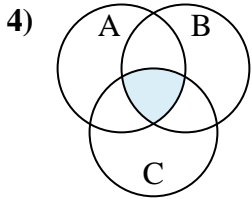
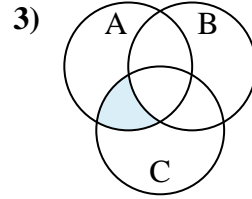
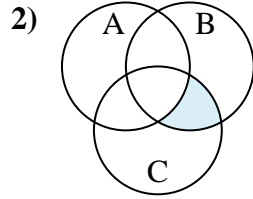
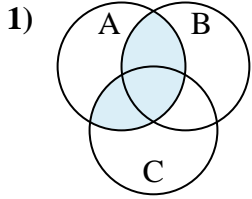




Determine the shaded region of each diagram.

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

Answers



1. $(C \cup B) \cap A$
2. $B \cap (C - A)$
3. $(C \cap A) - B$
4. $C \cap B \cap A$
5. $C \cap A$
6. $A \cup (C - B)$
7. $B \cup (C - A)$
8. $C - (A \cup B)$
9. $C \cap B$
10. $A \cap (B - C)$
11. $A - (C \cap B)$
12. $C - (A \cap B)$