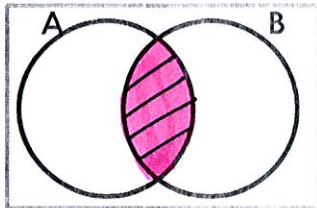Name: _____ Date: _____

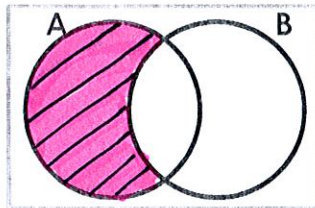## Using Venn Diagrams

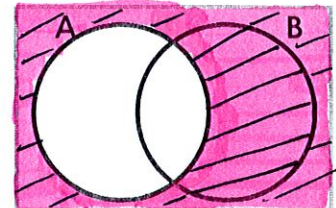Shade in the appropriate area of the Venn Diagram.
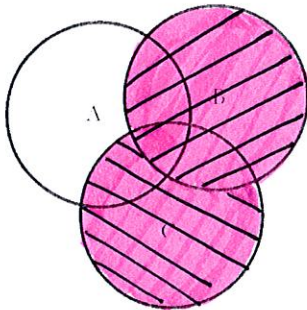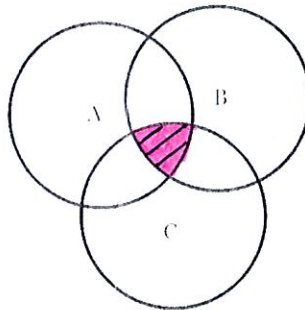
1. $A \cap B$

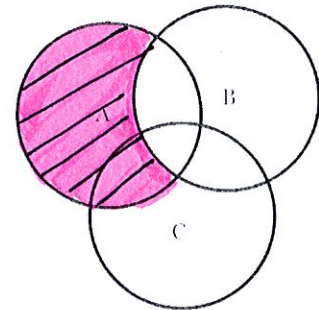2. $A \cap B'$

3. A'

4. $B \cup C$

5. $A \cap B \cap C$

6. $A \cap B'$

Mr. Grisham took a poll of his student's favorite type of weather. The students had the choice of hot, cold, and/or rain/snow. The results are displayed in the Venn Diagram. Write your answer as a reduced fraction.

__5/9__ 6. Find P(Cold). **15/27**

__13/27__ 7. Find P(Warm)'.

__5/27__ 8. Find P(Cold ∩ Warm).

__4/27__ 9. Find P(Warm ∩ Rain).

__1/9__ 10. Find P(Warm ∩ Cold ∩ Rain). **3/27**

__8/9__ 11. Find P(Cold ∪ Warm) **24/27**