

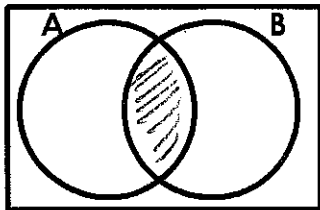
Name: Key

Date: _____

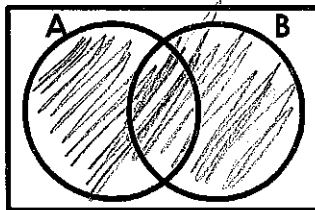
Using Venn Diagrams

Shade in the appropriate area of the Venn Diagram.

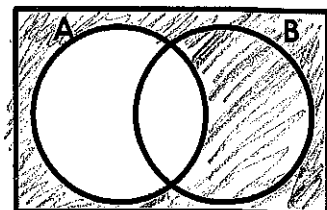
1. $A \cap B$



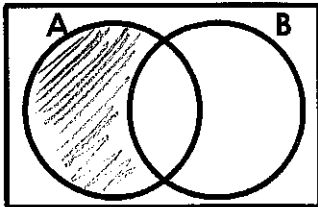
2. $A \cup B$



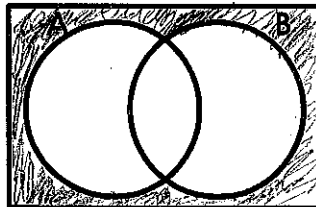
3. A'



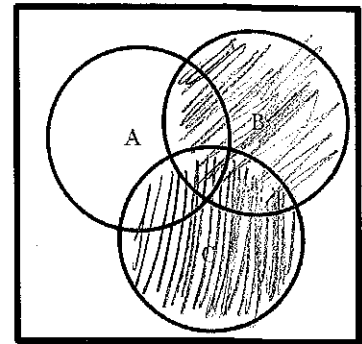
4. $A \cap B'$



5. $(A \cup B)'$



6. $B \cup C$



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 $P(\text{Cold})$. 15/27

13/27 7. Find $P(\text{Warm})'$.

5/27 8. Find $P(\text{Cold} \cap \text{Warm})$.

4/27 9. Find $P(\text{Warm} \cap \text{Rain})$.

1/9 10. Find $P(\text{Warm} \cap \text{Cold} \cap \text{Rain})$.

8/9 11. Find $P(\text{Cold} \cup \text{Warm})$.

