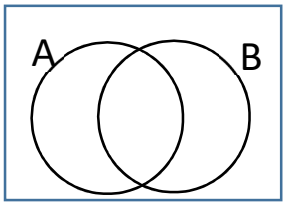
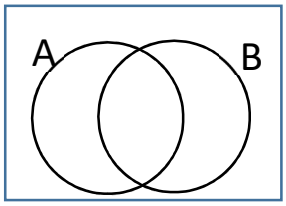
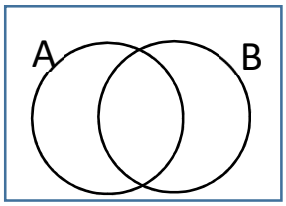
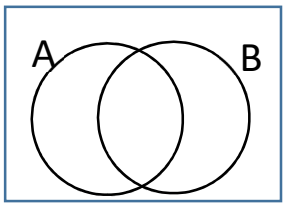
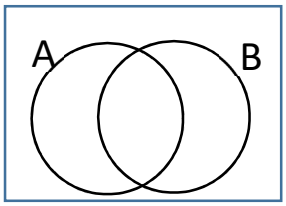
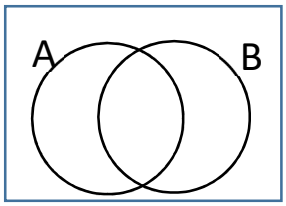
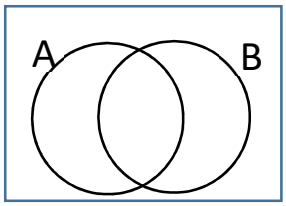
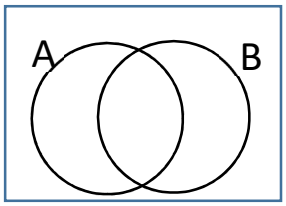
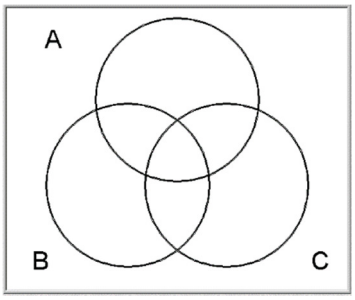
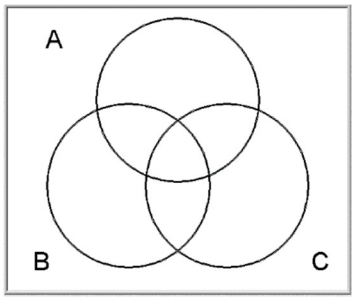
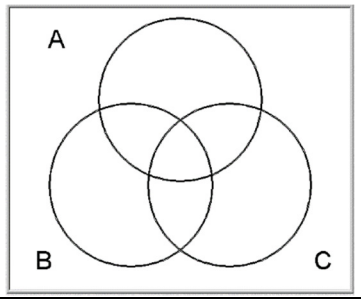
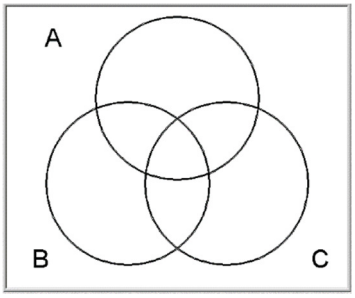
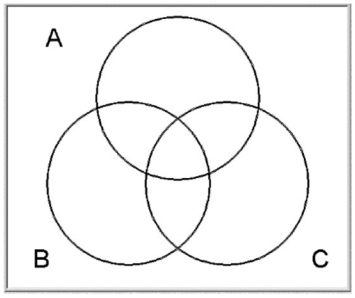
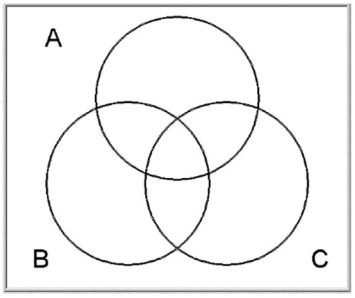
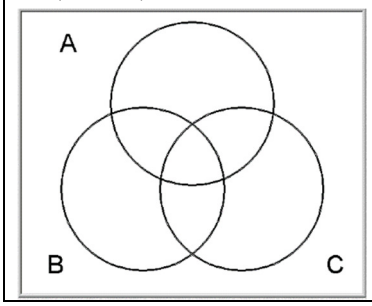
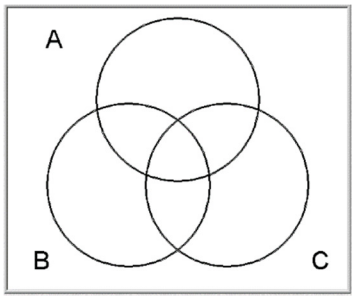
More with set notation: name:_____

Using the transparency set shapes, find, and then show, each of these regions:

1. $A \cap B$ 	2. $A \cup B$ 	3. $A \cap \overline{B}$ 	4. $A \cup \overline{B}$ 
5. $\overline{A \cup B}$ 	6. $\overline{A \cap B}$ 	7. $\overline{A} \cup \overline{B}$ 	8. $\overline{A} \cap \overline{B}$ 

At the NLVM site, solve the following problems (you can skip past the others using the next button):

1. $A \cup B$ 	2. $B \cap C$ 	3. $(A \cup C) \cap B$ 
4. $(A \cup B) \cup C$ 	5. $A \cap (B \cap C)$ 	6. $(A \cup B \cup C) - (A \cap B \cap C)$ 
8. $\overline{(A \cup B)}$ 	9. $\overline{A} \cap \overline{B}$ 	13. $(A \cup C) - B$