

Name \_\_\_\_\_

Date \_\_\_\_\_

Pd. \_\_\_\_\_

**Assignment #1**

Match the following phrases with their corresponding symbols.

- |  |            |
|--|------------|
| 1. _____ is a subset of                      | $\notin$   |
| 2. _____ is not an element of                | $\subset$  |
| 3. _____ the union of set A and Set B        | $A \cap B$ |
| 4. _____ is an element of                    | $A \cup B$ |
| 5. _____ the complement of set A             | $\in$      |
| 6. _____ the intersection of set A and Set B | $A'$       |

7. Create Set A and describe what numbers are in it.

8. Now, create set B and describe what numbers are in it, but consider set B being a subset of A.

9. Now, create set C and describe what numbers are in it, but consider set A being a subset of C.

10. Finally, draw a diagram that represents sets A, B, and C in the correct order.