**M30-2 Set Theory Assignment Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Class Statistics**

1. **Brothers and Sisters**
	* Universal Set 
	* Set 
	* Set 

Complete the Venn Diagram based on our class information.

Answer the following questions:

1. How many students have a sister? \_\_\_\_\_\_\_
2. How many students have only a sister? \_\_\_\_\_
3. How many students do not have a brother? \_\_\_\_\_\_
4. How many students have a brother and a sister? \_\_\_\_\_\_
5. How many students have a brother or a sister? \_\_\_\_\_\_
6. How many students have no brothers or sisters? \_\_\_\_\_\_
7. **Seventeen or Eighteen**
	* Universal Set 
	* Set 
	* Set 

Complete the Venn Diagram based on our class information.



 Answer the following questions:

1. How many students are 17? \_\_\_\_\_\_\_
2. How many students are not 17? \_\_\_\_\_\_
3. How many students are 17 and 18? \_\_\_\_\_\_
4. How many students are 17 or 18? \_\_\_\_\_\_
5. How many students are not 17 or 18? \_\_\_\_\_\_
6. **Camping?**
	* Universal Set 
	* Set 

Complete the Venn Diagram based on our class information.



 Answer the following questions:

1. How many students are camping this summer? \_\_\_\_\_\_\_
2. How many students are not camping this summer? \_\_\_\_\_\_
3. What do you notice about the solution to a) and b) and the Universal Set?
4. **Right Handed & Blonde**
	* Universal Set 
	* Set 
	* Set 

Complete the Venn Diagram based on our class information.

 Answer the following questions:

1. How many students are blonde? \_\_\_\_\_\_\_
2. How many students are not blonde? \_\_\_\_\_\_
3. How many students are blonde and right handed? \_\_\_\_\_\_
4. How many students are blonde or right handed? \_\_\_\_\_\_
5. How many students are not blonde or right handed? \_\_\_\_\_\_
6. How many students are not blonde and right handed? \_\_\_\_\_\_