**Section 3.1**

**Activity 1**

Define the following terms:

* Set
* Elements
* Null set/empty set
* Cardinality
* Subset
* Proper Subset
* Venn Diagram

From your reading, what do you think is the most important thing to remember when considering sets?

**Activity 2**

Translate the following set based mathematical statements into English

* A = { 2, 3, 4}
* B = { 2, 4, 3 }
* C = ∅
* 2 ∈ A
* A ⊆ B
* A ⊂ B
* C ⊂ B
* | A | = 3

**Activity 3**

For each of the following Venn diagrams define sets A and B such that the image would be an accurate representation.

 

