Sets Checklist

I am able to:

- [ ] explain concepts relating to sets
    - [ ] examples and non-examples of sets
    - [ ] description of sets using words
    - [ ] membership of a set
    - [ ] cardinality of a set
    - [ ] finite and infinite sets
    - [ ] universal set
    - [ ] empty set
    - [ ] complement of a set
    - [ ] subsets

- [ ] represent a set in various forms
    - [ ] description
    - [ ] set builder notation
    - [ ] listing the members

- [ ] list subsets of a given set

- [ ] determine the number of subsets of a set with n elements

- [ ] determine elements in
    - [ ] intersection of two or three sets
    - [ ] union of two or three sets
    - [ ] complements of sets

- [ ] describe relationships among sets using set notation and symbols
    - [ ] universal,
    - [ ] complement
    - [ ] subsets
    - [ ] equal
    - [ ] equivalent
    - [ ] intersection
    - [ ] disjoint sets
    - [ ] union of sets

- [ ] draw Venn diagrams to represent relationships among sets (not more than 4 sets including the universal set)

- [ ] use Venn diagrams to represent the relationships among sets

- [ ] solve problems in Number Theory, Algebra and Geometry using concepts in Set Theory.