Name: *Key*          Date: *June 18, 2015*

1. Determine the Cardinal number of the set:
   $A = \{\{\emptyset\}\}$

   $n(A) = 1$

2. Find an element of $A$ that is not an element of $B$.

   $A = \{y | y \text{ is an Interger between} - 10 \text{ and } 10\}$
   $B = \{y | y \text{ is a natural number between } 2 \text{ and } 5 \}$

   $\{-9, \cdots, 2\} \cup \{5, \cdots, 9\}$

   or

   as example

   $\{-1\}$

3. Determine if the following set is well defined: $\{x | x \text{ is a mammal}\}$

   Yes, because there is a specific definition of mammal accepted by users.