Math 114 Name: _____
Practice Quiz – Sets

1. State **True** or **False**

   a. {m,a,n} = {n, a, m} _____

   b. {1,2,3,4} ⊆ {3,2,1} _____

   c. $A \subseteq B$ if and only if every member of *A* is also a member of *B* _____

   d. If *A* is a proper subset of *B* , then $A \neq B$ _____

2. If *U* = {1,2,3,4,5,6}, *A* = {2,3,6}, *B* = {2,4,6}, *C* = {3,6}

   a. $A \cap B =$ _____

   b. $(A \cup B) \cap C =$ _____

   c. $(A' \cap B') =$ _____

   d. $(A \cup B) \cap (A \cup C) =$ _____

   e. The number of subsets of *U* = _____