

The set of real numbers and its properties is called the \_\_\_\_\_  
real number system

Let  $B = \{x \mid x^2 = 4, x \text{ is odd}\}$ , Then \_\_\_\_\_ is the empty set.  
B

\_\_\_\_\_ is a set contains no elements.  
null set

The natural numbers are the \_\_\_\_\_ integers.  
positive

If every element in a set A is also a member of a set B, then A is called \_\_\_\_\_ of B.  
subset

Let  $N = \{0, 2, 4, 6, 8, \dots\}$  Then N is \_\_\_\_\_  
infinite

The family of all the subsets of any set S is called the \_\_\_\_\_ set of S.  
power

The \_\_\_\_\_ numbers are those real numbers.  
rational

Let  $A = \{1, 2, 3, 4\}$  and  $B = \{3, 1, 4, 2\}$ . Then \_\_\_\_\_  
 $A = B$ ,

Let  $E = \{x \mid x^2 \in 3x - 2\}$ ,  $F = \{2, 1\}$  and  $G = \{1, 2, 2, 1\}$ . Then \_\_\_\_\_  
 $E = F = G$

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