

\_\_\_\_\_ theorem is a formula which can be thought of as "reversing" conditional probability.  
Bayes

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

The \_\_\_\_\_ Probability of an event is its simple probability of occurrence, given the sample space  
marginal

State in words and then write in tabular form  $C = \{x\} \times C = \tilde{A}$

A \_\_\_\_\_ probability implies the probability of joint events. Joint probabilities can be conveniently analysed with the aid of joint probability tables.  
joint

Elements are separated by commas and enclosed in \_\_\_\_\_  
bracket

A \_\_\_\_\_ is any well-defined list, collection or class of objects  
set

\_\_\_\_\_ events are said to be mutually exclusive events if they cannot occur at the same time.  
Two

Assume there is a drug store with 10 antibiotic capsules of which 6 capsules are effective and 4 are defective. What is the probability of purchasing the effective capsules from the drug store? \_\_\_\_\_  
25.2

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