Prove Independence



This equation is known as necessary and sufficient: two events A and B are **independent** if and only **if the equation is true**.

1. Based upon the definition of independence, determine if each set of events below are independent.

* 1.  Ind. or Dep ?\_\_\_\_\_\_\_\_\_\_\_\_\_
  2.  Ind. or Dep ?\_\_\_\_\_\_\_\_\_\_\_\_\_
  3.  Ind. or Dep ?\_\_\_\_\_\_\_\_\_\_\_\_\_
  4.  Ind. or Dep ?\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Determine the missing values so that the events A and B will be independent.
2. 
3. 
4. 
5. 