## MATH 533 WEEK 2 QUIZ

If the occurrence of one event precludes the occurrence of another other event, then the two events are\_\_\_\_\_.

non interacting
joint events
mutually exclusive
collectively exhaustive
independent

A listing of all elementary outcomes (i.e. the outcomes which cannot be broken down into other events) of an experiment (i.e. a decision making situation under uncertainty) is called a\_\_\_\_\_.

probability space
population
sample space
distribution

The probability that an event, Event A, occurs is 0.70. The probability of another event, Event B, occurs 0.67. The probability of both A and B occur is 0.50. The probability that either Event A or Event B occurs is

None of these answers are correct
0.53
0.87