

MATH 533 WEEK 2 HOMEWORK

If the occurrence or non occurrence of one event does not affect the occurrence or non occurrence of another event, the two events are

_____.

- mutually exclusive
- independent
- non interacting
- complementary
- collectively exhaustive

In any statistical experiment if the occurrence of one event precludes the occurrence of the other events, the events of the experiment are called_____.

- intersecting events
- complimentary events
- mutually exclusive events
- independent events

In the experiment of a single roll of a 6-faced die, if the outcome “3 shows up” is called event A and the outcome “4 shows up” is called event B, then A and B are_____.

- complementary events
- independent events
- collectively exhaustive events
- mutually exclusive events

Fifty percent of all technical assistants would like to have a PC. Eighty percent of all technical assistants would like to have MAC. Forty-five percent of all technical assistants would like to have both. If a technical assistant is randomly selected, what is the probability that she would like to have a PC or a MAC?

- 1.00
- 1.10