

Mutually Exclusive

Determine whether or not each of the following pairs of events is mutually exclusive:

- a) Five coins are tossed:
 - one head is observed
 - at least one head is observed
- b) A salesperson calls on a client and makes a sale:
 - the sale exceeds \$100
 - the sale exceeds \$1000
- c) One pre-school student is selected at random from a student body:
 - the person selected is male
 - the person selected is over 21 years of age
- d) Two dice are rolled:
 - the total shown is less than 7
 - the total shown is more than 9