

## QUIZ 9

Name \_\_\_\_\_

1. An experiment consists of dealing five cards from a standard 52 card deck.
  - (a) How many such hands will consist of only face cards?
  
  
  
  
  
  
  
  
  
  
  - (b) What is the probability of a hand consisting of only black cards (Clubs and Spades)?
  
  
  
  
  
  
  
  
  
  
2. An experiment consist of tossing three coins, all of which are “fair” in the sense that they are not weighted, but one of which has a head on each side, and recording H (head) or T (tail) for each coin. What is the probability of getting three heads?
  
  
  
  
  
  
  
  
  
  
3. Suppose that 6 female and 5 male applicants have been successfully screened for 5 positions. If the 5 positions are filled at random from the 11 finalists, what is the probability of selecting:
  - (a) 4 females and 1 male?
  
  
  
  
  
  
  
  
  
  
  - (b) At least 4 females?