Mr. Powder
Ditto 17

Math 7R
Name: _____

1. From a standard deck of 52 cards, one card is drawn. Find the probability that the card will be:

   a) red
   b) a five
   c) a heart
   d) five of hearts
   e) not a heart
   f) a black five
   g) a five or a heart
   h) five of clubs
   i) a five or a six
   j) a club or a heart
   k) a black heart
   l) a black club
   m) a fifteen
   n) a picture card
   o) a five or a black card
   p) a card from the deck
   q) not the queen of spades
   r) a red picture card
   s) a club or a red card
   t) an ace or a black card

2. An urn (jar) contains 7 marbles, all the same size; 3 are red and 4 are white. If a marble is chosen at random, find the probability that it is:

   a) red
   b) white
   c) blue
   d) not red
   e) red or white
   f) red and white

4. From a standard deck of 52 cards, one card is drawn. Find the probability that the card will be:

   a) a four or a red card
   b) a club or a king
   c) a red and a black card
   d) a red or a black card

5. If the probability that an event will occur is $\frac{1}{6}$. What is the probability that it will not occur?

6. If 2 cards a drawn from a standard deck without replacement, what is the probability of picking
   a) a king then a queen, in that order
   b) 2 hearts
   c) 2 picture cards

7. If two cards are drawn from a standard deck of 52 cards, with replacement, what is the probability that they are

   a) both jacks
   b) a five and a four in that order
   c) two red cards
   d) a jack and a queen in any order

8. A jar contains 3 red marbles and 5 blue marbles. Two marbles are picked from the jar without replacement. What is the probability that these marbles are:

   a) both red
   b) both blue
   c) a red and a blue in that order
   d) a red and a blue in any order