First name: Last name: Student II	D:

Chapter 7 Statistics and Probability (2) Homework

- 1. Spin the spinner. Calculate each probability.
 - a. P(red)
- b. P(blue)
- c. P(blue or green)



- a. P(yellow) e. P(white)
- 2. The probability of choosing a girl's name from the international club name list is 1/3. If the club has 36 members, how many of them are girls?

3. A coin is tossed three times. Find the probability of getting at least two heads.

4. A code consists of a two digit number chosen from 00 to 99, followed by two different letters of the alphabet. What is the probability the code is 12KY?

5. Billy and Mike are playing a game with a six-sided die and a coin. Each begin die. One point is awarded for rolling an odd number. If an even number is roll flipped. If the coin turns up heads, two points are awarded. If tails come up, the no points. a. Use a tree diagram to display all possible results.	led, the co	in is				
a. Ose a tree diagram to dispray an possible results.						
b. What is the probability of scoring 2 points?						
c. What percentage of outcomes will result in at least 1 point?						
6. The numbers 4, 9, 7, 6, 2, and 3 are written on scraps of paper and put in a j draw two numbers from the jar and place them in the order in which they are						
probability that you will draw a prime number?	First number drawn	Second number drawn				
7. A bag contains 5 red marbles, 4 green marbles and 1 blue marble. A marble random from the bag and not replaced; then a second marble is chosen. What both marbles are green?						
8. Two cards are drawn from the top of a well-shuffled deck. What is the probboth Diamonds?	oability tha	at they are				

9. A bag cor	ntains 3 red marble	es and 4 blue n	narbles. Two	marbles a	re drawn at	random v	without
replacement	. If the first marbl	e drawn is red,	what is the	probability	the second	marble is	s blue?

10. A box contains 5 green pencils and 7 yellow pencils. Two pencils are chosen at random from the box without replacement. What is the probability they are different colors?

11. Match each term with its definition.

Word Banks							
Sample space	dependent events	tree diagram	event	probability			
Independent events	outcome theo	oretical probability	compleme	entary event			
	to parts of 2. Two events	ecord and count all co the outcome. s where the probability		C			
	3. Two events other events	the other event.Two events where the probability of one is affected by the probability of the other event.A set of one or more outcomes in a probability experiment.					
		outcomes in the sample		•	not happen.		
	6. A result of	an event or experimen	nt.				
	7. All the pos	ssible outcomes in a pr	robability expe	riment.			
	8. A number	from 0 to 1 that shows	s how likely it	is that an event wil	ll happen.		
		of the number of favou ely outcomes.	rable outcome	s to the number of	possible		