Name:		Date:
		Pre-Calculus 16.1 Introduction to Probability
1.	Three children are born into a family. On any birth the chirepresent a daughter, and write out all of the possibilities.	ild could be a son or a daughter. Using $m{s}$ to represent a son and $m{d}$ to
2.	A committee of 2 is selected from a group consisting of 5  a. Find all the possible outcomes.  b. What is the probability that both members on the c. What is the probability that exactly one member:	e committee are males?
3.	Two letters are chosen at random from the word WINTE.  a. Find all the possible outcomes.  b. What is the probability that both letters are consc.  C. What is the probability that both letters are vowe	onants?
4.	A die is thrown and a coin is tossed.  a. Find all the possible outcomes.  b. What is the probability that the number on the dientification.	ie is odd?
5.	If the probability that it will snow on a given day is $\frac{1}{3}$ :  a. What is the probability that it will not snow?  b. How do the two probabilities compare?	

6. You are the first person to draw one of 24 slips of paper, numbered consecutively 1 to 24.

a. What is the probability of drawing a number exactly divisible by 3?

7.	A bag contains 2 white marbles, 4 blue marbles, and 6 red marbles. A marble is drawn at random from the bag. What is the probability that:							
	a.	It is white?			b.	It is not blue?		
	c.	It is not white	e?		d.	It is red?		
	e.	It is blue?			f.	It is black?		
8.	One can	ed is picked from A black card?	m a typical	deck of 52 pla	ying cards.	What is the probab A three?	oility that the card is:	
	c.	A king or a q				A black or not a fa	ce	
						card?		

What are the odds in favor of snow this Wednesday? (This is different than the probability, think about it!)

b. What is the probability of drawing a number exactly divisible by 5?

9. The probability that there will be snow this Wednesday is  $\frac{4}{5}$ .

What is the probability that there will NOT be snow this Wednesday?