Geometry (HSS-CP.A.1) Unit Six: Probability – Day 1 (HW2)					Name:	
					Period:	
1. Determine which of the f	ollowing	are valid valu	es for probability			
a) P(A) = 3.5 Valid or Invalid	b) P(B) = 0.2 Valid or Invalid		c) P(C) = 1.1 Valid or In	valid	d) P(A) = 0 Valid or Invalid	
2. Determine the probabilit (EQ)ually likely, (L)ikely or (	ty of eac C)ertain	h event and de to happen.	termine if the ev	ents are:(I)m	possible, (UN)likely,	
a) The next week has 7 days in it		b) Average Tem December is les	nperature in Alask ss than 30°F	a in c) Getti bag of S	c) Getting a yellow marble from a bag of 5 red & 2 green marbles.	
I or UN or EQ or L o	or C	I or UN o	r EQ or L or	C I or	UN or EQ or L or C	
d) You roll a 2 on a die.		e) You roll an e	ven number on a	die.		
I or UN or EQ or L o	or C	l or UN o	r EQ or L or	С		
3. A Bag of marbles has 7 ye	ellow, 6 i	red, and 1 purp	le. Create a situa	ation that wou	IId satisfy the following:	
a) Something that is IMPOSS happen.	SIBLE to	b) Something LIKELY to hap	that is EQUALLY pen.	c) Some happen	ething that is LIKELY to	

## 4. Describe a NEW situation that would satisfy the following. (Do not use something from above.)

a) Something that is LIKELY to	b) Something that is EQUALLY	c) Something that is CERTAIN to
happen.	LIKELY to happen.	happen.

5. Determine the basic probability.						
a) Given a bag of marbles with 7 green, 4 yellow and 2 red, what is the:						
P(Green) =	= P(Red	) =	P(Blue) =			
P(Yellow o	or Red) = P(Green or Yellow) =					
b) Given a standa	rd deck of cards, what is	the:				
P(Black 10	)) = P(Queen) = P(Ace or Jack) =					
P(Red Card	d or 9) =	P(Queen or 6) =	P(King or a Spade) =			
c) Given the spinner, what is the:						
Blue Red Blue	P(Red or Blue) =		P(White or Red or Blue) =			
d) Given that a fa possible outcome	mily has 3 children and b s. Then, find the probabi	oys and girls are equal lities requested.	ly likely, show the sample space for the			
Sample Space:						
a) P(three	girls) =	b) P(Girl, Girl, Boy) in	that order =			
c)P(2 girls	and one boy in any order)	=				
e) Given the roll o	of 2 dice and their values	are summed, what is t	he:			
	P(sum of 10) =		P(sum of 7 or 9) =			
	P(odd sum or sum of 4) =	=	P(sum of 1) =			
-	P(sum of a multiple of 2	or a multiple of 3) =				