Name:	Date:											
	Mutually Exclusive Practice											
Determine if	the following events are mutually exclusive or overlapping.											
1.	The experiment is rolling a die. The 1st event: the number is greater than 3 The 2nd event: the number is even.											
2.	The experiment is year in school. The 1st event: the person is a senior. The 2nd event: the person is a junior.											
3.	The experiment is answering multiple choice questions. The 1st event: the correct answer is chosen The 2nd event: the answer A is chosen.											
4.	The experiment is selecting a chocolate bar. The 1st event: the bar has nuts The 2nd event: the bar has caramel.											
5.	One card is randomly drawn from a deck of 52 cards. The the table. What is the probability of getting a Jack or a Spo			is fa	се	dov	vn o	n				
Use the gen	eral addition rule to compute the probability that if you roll t	W	cis c	(-sid	ed	dice	∋.					
			1	2	3	4	5	6				
6.	you get doubles or a sum of 4	1	2	3	4	5	6	7				
	,	3	_	4	5	7	8	8				
		4		5	7	8	9	9				
7.	you get doubles or a sum of 7	5		7	8	9	10	11				
		6	7	8	9	10	11	12				
8.	you get a 5 on the first die or you get a 5 on the second die	e.										

Use the Venn Diagram to answer the following questions.

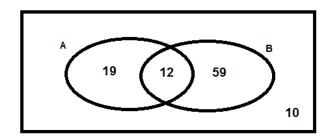
9. P(A)

_____10. P(B)

11. P(B)'

12. $P(A \cup B)$

13. $P(A \cap B)$



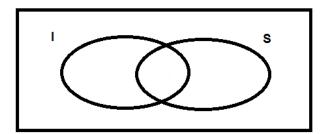
When you arrive home today, you find 27 cupcakes in a large circular plate. There are 13 that have icing 11 have sprinkles, and 4 have both.

____14. P(I)

____15. P(S)

____16. P(I∪S)

_____ 17. P(I∩S)



Use the data below to find each of the following probabilities.

Coolest Deals Sold at Ike's

Tanning abaics	Ice cream choice						
Topping choice	Vanilla	Chocolate	Cookie dough	Mint chip			
Sprinkles	9	12	16	14			
Hot fudge	11	4	16	15			
Caramel	10	12	18	15			

18	Р	(Chocolate)	١
10.	, ,	Chocolaic	ı

19. P(Chocolate)'

20. P(Sprinkles ∩ Cookie Dough)

_____ 21. P(Caramel ∪ Vanilla)