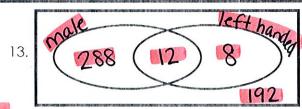
Name:				Date: _										
		Unit #10	Review											
In a bowl of	n a bowl of marbles, there are 10 red ones, 6 green ones, and 8 blue ones.													
3/4	If a marble is chosen at random from the bowl, find P(red one or a blue one)?													
5/362	If two marbles are chosen at random with replacement, find P(red and a blue)?													
15/92/3.	s. If two marbles are chosen at random without replacement, find P(they are both red)? 10/24 • 9/23													
A person rolls two dice, one after the other.							2	3	4	5	6			
11/18 4. P(even sum) or P(sum of 9) 18/36+4/36							3	4	. 0	6	7			
11/18 5. P(odd sum) or P(sum less than 5) 18/36+6/36-2/36							4 5	5	5	7	8			
5/11 6.		obability that the sun	10	\nearrow	4	4	6	7)	8	9	10			
is an <u>even</u> number given at least one of the rolls is a <u>4</u> ?						6	7	8	91	10	11			
No construction of the con	3/11	+3/11-1/11		ENGLE OFFICE OFFICE PROPERTY.	6	7	8	9	10	11	12			
A card is cho	osen from a stai	ndard deck of cards	. The drawer i	is looking	for	clu	bs c	and	fac	e c	ards.			
		Club	Not a Cli	ub							įž.			
	ace card	3	9			12								
Not a face card		10				40								
1/4 7.	1/47 7. Find P(Club) 13/52													
8. Find P(Club Not a Face Card) 10/40														
3/52 9.	Find P(Club	Face Card) 3/52												
$\frac{49}{52}$ 10. Find P(Not a Club \cup Not a Face Card) $\frac{39}{52} + \frac{40}{52} - \frac{30}{52}$														
Uest 11. Are the events Club and Not a Face Card Independent of each other?														
$10/52 = \frac{13}{52 \cdot 40/52} \rightarrow \frac{5}{26} = \frac{5}{26}$														
21/32 12	female. Out of a person is characteristic aperson is characteristic. P(g) + (1)	te Algebra class, 22 sof those students, 11 coordinates of those students, 11 coordinates of the those students of the those student	of the guys ar n the class, wh	nd 4 of th	e g	irls p bak iss	oass	ed of t	the	EO osi				
	10/32 +	17/32 - 6/32		Female	15	•	6	-	27	_				



Of 500 athletes surveyed, 300 were male and 20 were lefthanded. Only 8 of the lefthanded athletes were female.

25 14. What is the probability that an athlete was male or was left-handed? 286+12+8

In a survey of 450 people, 200 of whom are female, it was found that 225 prefer chocolate ice cream including 99 males. Use this information to complete the table below.

	Males	Females			
Vanilla	151	74	225		
Chocolate	99	126	225		
	250	200	450		

15. The person likes chocolate. 225/450

250 16. The person like vanilla, given they are male 15/250

45017. The person likes vanilla or is a female. 225+200-74/450

18. Are being a male and liking chocolate independent events?

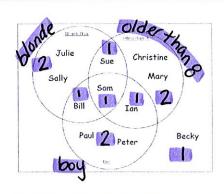
Use the Venn diagram to find the following probabilities.

19. P(blonde hair)

20. P(blonde hair \cap Boy)

 \triangleright 21. P(Older than 8 \cup Boy)

3/11 22. P(Older than 8 \cup Boy)'



23. The probability of a randomly chosen boy playing basketball is 0.30. The chance that a boy plays both basketball and football is 0.05. The chance that a boy plays football is 0.25. What is the probability that a randomly chosen boy plays basketball or football? $P(b \cup f) = 0.3 + 0.25 - 0.05$

buf) = 0.5

24. Assume that the following events are dependent:

The probability that a high school student eats breakfast is 0.8.

The probability that a high school senior will eat breakfast and get over 6 hours of sleep is 0.2.

What is the probability that a high school senior will get over 6 hours of sleep, given that the person ate breakfast? 0.2 = 0.8 · P(over 6 hrs ate breakfast)