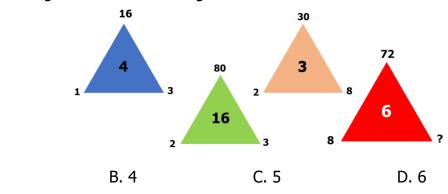
INSTRUCTIONS:

Read and understand each question. Shade the circle that corresponds to the letter of the correct answer on the provided answer sheet.

1. **TRIAD DEFINES ME:** Puzzle is the activity that a teacher cannot go away with. This is primarily because it increases the production of dopamine, a chemical that regulates mood, memory and concentration. Below is a puzzle used by a teacher in his class using a triangle, where each vertex is assigned to a number and the number at the center is derived using the numbers. Using the rule establish of the first 3 triangles presented, what is the missing number of the triangle below?



2. 3, 6 and x -2 are the first three terms of a sequence. If these terms are that of an arithmetic sequence, what is the value of x?

A.10

A.3

B. 11

C. 12

D. 13

3. **TAKE IT SLOW:** Jane is a runner since she was 10 and it is her practice to jog each day to improve her cardio-vascular fitness. A month ago, she had to undergo knee surgery. Now she was instructed to return to her jogging program slowly. Below is the table of how Jane's jogging program will look like as approved by his physical therapist. How many weeks will it be before Jane is up to jog an hour and 20 minutes?

WEEK NO.	DURATION OF JOGGING (in minutes)
1	8
2	14
3	20
4	26

A.11 weeks

B. 12 weeks

C. 13 weeks

D. 14 weeks

	are inserted between	_	•	154. If two geometric cometric means to be				
	A.9	B. 12	C. 36	D. 48				
	6. Which of the following statements is TRUE when comparing a geometric sequence and an arithmetic sequence?							
	A. In geometric sequence the difference between any consecutive terms is constant, while in arithmetic sequence the ratio between any two consecutive terms is constant.							
	B. In geometric sequence the ratio between any consecutive terms is constant, while in arithmetic sequence the difference between any two consecutive terms is constant.							
	C. In both geometric and arithmetic sequences, the difference between any two consecutive terms is constant.							
	D. In both geometric and arithmetic sequences, the ratio between any two consecutive terms is constant.							
7. If the of b?	ne polynomial $3x^2 +$	5x - bx - 45 is exa	ctly divisible by $x - x$	3. What is the value				
	A17	B16	C. 16	D. 17				
-	8. A polynomial $P(x) = x^4 + ax^3 - 11x^2 - bx + 28$ when divided by $x - 1$ or $x - 2$ has no remainder. What is the value of a and b ?							
	A. $a = 6, b = 24$		C. $a = -6, b = -24$					
	B. $a = -6, b = 24$		D. $a = 6, b = -24$					
9. If $x - 2$ is a factor of $f(x) = x^2 - 12x^2 + 44x - 48$, then what are the other factors of $f(x)$?								
	A. $x - 6$		C. $x - 6$ and $x - 4$					
	B. $x - 4$		D. $x + 6$ and $x + 4$					

4. 2k + 1, 3k + 4, and 7k + 6 are first 3 terms of a sequence. For what value(s) k will

C. 2,1

D. -2, -1

these terms be that of geometric sequence?

B. -2, 1

A.2, -1

For numbers 10-12, consider the scenario below.

A well-known Filipino mobile legend gamer Billy Alfonso decided to conduct tournament for aspiring mobile legend gamers. On his first tournament, he had 22 participating teams joined. He wants to increase the number of participating teams every time he will hold a tournament by 6 teams.

10.	If sing	јlе	eliminat	ion is	used	in	the	8th	ML	Tournam	ent	of E	Billy	Alfonso,	how	many
gar	nes wil	l be	e played	befor	e the	Cha	amp	ions	hip ı	round?						

A.31

B. 30

C. 29

D. 28

11. If 1 day before the tournament, 4 teams decided to withdraw from playing because some of their teammates is not available on that date. How many participating teams are in Billy Alfonso's 10th ML tournament?

A. 75

B. 71

C. 66

D. 62

12. How many teams are participating on the 4th tournament?

A. 40

B. 44

C. 48

D. 52

13. Classify $-3x^5 + 4x^3 + x^2 + 9 = 0$ by its degree and its number of terms.

A. quartic, binomial

C. quintic, four terms

B. quartic, four terms

D. quintic, binomial

14. The floor area of Mang Ador's house is 108 sq. meters. The length is 6 meters longer than twice its width. What are the dimensions of the Mang Ador's floor?

A. 2 m by 54 m

C. 6 m by 18 m

B. 4 m by 27 m

D. 9 m by 12 m

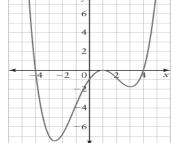
15. Which functions in factored form best represents the graph at the right? (Each grid line represents one unit.)

A.
$$f(x) = (x-4)(x+1)(x+1)(x+4)$$

B.
$$f(x) = (x-4)(x+1)(x+1)(x+4)$$

C.
$$f(x) = (x-1)(x+1)(x+4)(x+4)$$

D.
$$f(x) = (x-4)(x-1)(x+4)(x+1)$$



16. Jelly and Macky were separately asked by their teacher on whether the given expression represents a polynomial or not. Below are the polynomials given to them and their answer. Are their answers correct? Why?

JELLY NO
$$3\sqrt{x} + 18x - 5$$
MACKY NO $8 - 13x - 5x^{-2}$

A. Only Jelly got the correct answer because a polynomial can have radical but not negative exponent.

B. Only Macky got the correct answer because a polynomial can have negative exponent but not radical.

C. Yes! They are both correct because a polynomial cannot have negative exponent and must not have radical or fractional exponent.

D. No! They are both wrong because their given expressions are that of a polynomial.

For numbers 17-19, consider the scenario below.

A, B, C and D are points on the circumference of a circle. \overline{AC} is the diameter of the circle and \angle BAC measures 65° as shown at the right.

17. What is the relationship of $\angle BDC$ and $\angle BAC$?



- B. They are complementary angles.
- C. They are congruent angles.
- D. They are linear pair.



- A. 70
- B. 50
- C. 35
- D. 25

19. What is the measure of arc BC?

- A. 55
- B. 65
- C. 110
- D. 130

20. Joseph was instructed to draw a circle inside a square with a side length of 8 inches. If this circle is tangent to each of the sides of the square, what is the area of the constructed circle?

- A. 18 sq. in.
- B. 16 sq. in.
- C. 14 sq. in.
- D. 12 sq. in.

the ce	•	nding to their food e	expenses is 90°. If th	amily, the measure of eir monthly income is
	A. P 5000	B. P 10000	C. P 20000	D. P 30000
the di	-	rcle is 4 meters, whi	_	e's entrance. Suppose nould be the length of
	A. π meters	B. 2π meters	C. 3π meters	D. 4π meters
23. W	/hat is the equation o	of the circle whose co	enter is at (5,0) and	has a radius of 5?
	A. $x^2 + (y - 5)^2$	$r^2 = 25$	C. $x^2 + (y - 5)^2$	= 5
	B. $x^2 + y^2 = 25$		D. $(x-5)^2 + y^2 =$	= 25
24. W	/hat is its center-radi	us form of the equat	ion given below?	
		$x^2 + y^2 + 4x +$	4y-28=0	
	A. $(x+2)^2 + (y+1)^2$	$(+2)^2 = 36$	C. $(x-2)^2 + (y+$	$(2)^2 = 36$
	B. $(x-2)^2 + (y-1)^2$	$(2)^2 = 36$	D. $x^2 + y^2 = 36$	
_	circle with an equa	ation of $(x-2)^2 + ($	$(y-5)^2=9$ has a gi	raph whose center is
	A. Quadrant I	B. Quadrant II	C. Quadrant III	D. Quadrant IV
26. W	/hat is the radius of t	he circle with an equ	uation of $x^2 + y^2 -$	6x + 8y - 11 = 0?
	A. 3	B. 4	C. 5	D. 6
27. W	hich of the following	equations represent	ts the smallest circle?	
	A. $x^2 + y^2 = 4$		C. $x^2 + y^2 = 1$	
	B. $x^2 + y^2 = 9$		D. $x^2 + y^2 = 16$	
28. W	hich point is NOT on	the graph of the cir	$cle (x - 4)^2 + (y -$	$1)^2 = 5$?
	A. (6, 2)	B. (1, 3)	C. (2, 2)	D. (4, 1)
29. Ir	n how many ways car	n Mitzi create a 4-let	ter anagram from the	e word CREATOR?
	A. 11	B. 24	C. 28	D. 42

Mitzi, a content creator focusing on mathematics, was receiving a good amount of attention from a certain social media platform. This led her creations to be monetize by that certain social media platform and earned a good amount of money.						
31. To add security to her account, Mitzi wants to change her password which is GRADE45 but with the same letters and number. In how many ways she can do that?						
A. 120	B. 240	C. 5040	D. 5400			
32. Due to her fame, Mitzi, together with her sister, was invited to a celebration attended by various content creators. There, they are assigned on circular tables. In how many ways can Mitzi and her sister sit around a circular table together with 4 different content creators given that Mitzi and her sister should sit side by side?						
A. 24	B. 48	C. 120	D. 720			
33. Which of the folloimportant?	owing situation illust	rate that order of arr	angement of the objects is			
A. Choosing 3	desserts from a me	nu of 10.				
B. Picking a te	eam of 7 people from	n a group of 15.				
C. Choosing w	hat to wear from 4	cargo pants and 5 t-s	shirts			
D. Selecting fi	D. Selecting first, second and third placer out of ten runners in a race.					
34. Which of the follo	owing situation illust	rate combination?				
A. Arranging b	oooks in a shelf.					
B. Creating pa	ssword for a social r	media account.				
C. Forming dit	ferent numbers fron	n 5 given digits.				
D. Forming a	5-man group from 1	3 members.				

30. Which of the following situation does not illustrate permutation?

A. Arranging 3 different mathematics books in a shelf.

C. 4 campers sitting around a campfire.

D. Shoe is the anagram for hose.

For numbers 31-32, consider the scenario below.

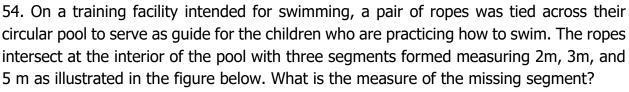
B. A teacher selected 2 student leaders from a group of 5 students.

35. Which of the follo	owing situations does	not illustrate a combina	ation?			
A. Enumeratin	g 5 sets of meals out	of 10 sets from a menu	u.			
B. Fixing schee	dule of tourists for 5 of	days in Siquijor.				
C. Listing the	first 5 players from a	group of 14 for a baske	etball match.			
D. Selecting 3	songs from 10 choice	es for a singing contest				
36. Which of the follocombination?	owing statement best	s describe the differenc	e of permutation from			
A. Order is bot	th important to permu	utation and combination	า			
B. Permutation	n - order doesn't matt	er; combination- order	is important			
C. Permutation	n - order matters; Cor	mbination - order doesr	n't matter			
D. Permutation	n - deals with selectio	n; Combination - deals	with the arrangement			
For number 37-39, co	onsider the scenario b	pelow.				
Sir Jayson, an Esports enthusiast, plans to create an official team for the mobile game Mobile Legends: Bang Bang. 15 players applied for the team but only 6 will be chosen as the official players for the team. 37. In how many ways can Sir Jayson choose 6 individuals from the players who						
chosen as the off	ficial players for the to	eam.				
chosen as the off	ficial players for the te	eam.	the players who			
chosen as the off	ficial players for the te	eam. ose 6 individuals from t	the players who			
chosen as the off 37. In how many was applied for the team A. 5, 005 38. If Sir Jayson grou	ys can Sir Jayson cho if there is an addition B. 12, 376 ups the player applica	ose 6 individuals from tall of 2 players for those	the players who e who applied? D. 8, 910, 700 members each team			
chosen as the off 37. In how many way applied for the team A. 5, 005 38. If Sir Jayson grou and let them play with	ys can Sir Jayson cho if there is an addition B. 12, 376 ups the player applica	ose 6 individuals from total of 2 players for those C. 3, 603, 600 ants into 3 teams with 5	the players who e who applied? D. 8, 910, 700 members each team			
chosen as the off 37. In how many way applied for the team A. 5, 005 38. If Sir Jayson grou and let them play with robin format? A. 1 39. Given that Sir Jayson	ys can Sir Jayson choosif there is an addition B. 12, 376 ups the player applicate each other, How m B. 2 yson already identifie	ose 6 individuals from to all of 2 players for those C. 3, 603, 600 ants into 3 teams with 5 any games will each terms.	the players who e who applied? D. 8, 910, 700 members each team am play in a round D. 4 15 player applicants, in			
chosen as the off 37. In how many way applied for the team A. 5, 005 38. If Sir Jayson grou and let them play with robin format? A. 1 39. Given that Sir Jayson	ys can Sir Jayson choosif there is an addition B. 12, 376 ups the player applicate each other, How m B. 2 yson already identifie	cose 6 individuals from total of 2 players for those C. 3, 603, 600 ants into 3 teams with 5 any games will each teach teach total color of the decoration o	the players who e who applied? D. 8, 910, 700 members each team am play in a round D. 4 15 player applicants, in			
chosen as the off 37. In how many way applied for the team A. 5, 005 38. If Sir Jayson grou and let them play with robin format? A. 1 39. Given that Sir Jahow many ways can A. 924 40. The local weather	ys can Sir Jayson choosif there is an addition B. 12, 376 ups the player applicath each other, How m B. 2 yson already identified the choose players to B. 455	ose 6 individuals from to all of 2 players for those C. 3, 603, 600 ants into 3 teams with 5 any games will each teach to C. 3 and 3 players from the 1 fill in the remaining slo C. 220 there is a 40% chance	the players who he who applied? D. 8, 910, 700 members each team am play in a round D. 4 15 player applicants, in ts? D. 66			

41. W	hich of the following	statements describe	intersection of even	its in drawing cards?		
	A. Drawing four fac	e cards				
	B. Drawing a face c	ard or a red card				
	C. Drawing a face c	ard and a red card				
	D. Drawing a face of	ard of all suits altern	ately			
42. Ba	sed on the figure at	the right, what does	the shaded portion	indicates?		
	A. Intersection		U			
	B. Union		(A B			
	C. Sample Space		Co)		
	D. Complement					
43. If	$A = \{1, 2, 3, 4\}$ and	$B = \{4, 5, 6, 7\}$, th	en which sets repres	sent A or B?		
	A. {1, 2, 3, 4}		C. {1, 2, 3, 5, 6, 7}			
	B. {4, 5, 6, 7}		D. {1, 2, 3,4, 5, 6, 7}			
		•	arbles, and 5 yellow marbles. If a marble getting a black or a yellow marble?			
	A. 0.25	B. 0.40	C. 0.60	D. 0.65		
	letter is randomly ch A or E is selected?	osen from the word	"ACHIEVE". What is	the probability that a		
	A. 0.14	B. 0.29	C. 0.43	D. 0.57		
46. On his 1st birthday, Anthony was given 500 as a present by his godmother Cleo. For every birthday thereafter, Cleo gave Anthony 250 more than on his previous birthday. This money was saved by Anthony's mother will be given to him at the right time. If today is Anthony's birthday and was given by her mother the amount of Php 7,750.00, how old is Anthony?						
	A. 31	B. 32	C. 33	D. 33		
	ball is dropped from bounce, how far will	_		% of its height after		
	A. 120 ft	B. 130 ft	C. 140 ft	D. 150 ft		

	more than its width. If the volume of the cellphone box is 154 cm, what are the dimensions of the box?							
A. 2	cm by 5 cm by	/ 11 cm	C. 3 cm by 5 cm by	y 11 cm				
B. 2	cm by 5 cm by	/ 11 cm	D. 3 cm by 7 cm b	y 11 cm				
	49. A polynomial function is defined to be $f(x) = (x+3)(x-2)^2$. Which choice describes the graph's behavior at the x-axis?							
A. Th	A. The graph only touches the x-axis at $x = -3$, but crosses the x-axis at $x = 2$.							
B. Th	ne graph only	touches the x-axis at	x = 3, but crosses t	the x-axis at $x = -2$.				
C. Th	ne graph only	touches the x-axis at	x = 2, but crosses t	the x-axis at $x = -3$.				
D. Th	ne graph only	touches the x-axis a	t x = -2, but crosses	the x-axis at $x = 3$.				
For number	50-51, consid	ler the scenario belo	w.					
	Mady is creating an open box out from a cardboard. This box can be made by cutting a square 4 cm by 4 cm at each corner. The length of the box is twice its width.							
50. If the volume of this box is 256 cubic centimeters, what is the dimension of the card board?								
A.	12 cm by 20) cm	C. 14 cm by 20 cm	ı				
В.	12 cm by 24	ł cm	D. 14 cm by 28 cm	1				
51. Which f cm long?	unction mode	ls the capacity of thi	s box if the measure	ement of its width is x				
A. <i>V</i> (f(x) = 2(x-4)	(2x - 4)	C. $V(x) = 2(x+4)(2x+4)$					
B. <i>V</i> (:	(x) = 4(x - 8)((2x-8)	D. $V(x) = 4(x+8)$	(2x+8)				
52. If the center of a circle is located at (10, 6) and it passes through the point (4, 14), what is the length of its radius?								
A. 6		B. 10	C. 14	D. 18				
53. A map is drawn on a grid where 1 unit is equivalent to 1km. The land area of San Isidro is in a circular form with its center located at (2, 3). If the boundaries are located at 15 km radius, which point is not within the boundaries?								
A. (-	-1, 8)	B. (-4, 5)	C. (3, -15)	D. (10, 1)				

48. The height of the rectangular box is 7 cm more than the width and the length is 9

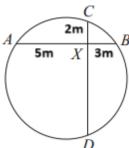




B. 6.5 m

C. 7 m

D. 7.5 m



55. What do you call the events that do not have something in common?

A. Mutually exclusive events

C. Independent events

B. Not Mutually exclusive events

D. Dependent Events

56. Which of the following situations are mutually exclusive events when a card is drawn at random from a standard deck of 52 cards?

A. A 4 or a heart

C. A 4 or a club

B. A 4 or a jack

D. A jack or a face card

57. The Talakag NHS - Senior High School Department plans to create a grievance committee for SHS students. In how many ways can a committee of 9 students be chosen from 8 Grade 11 Students and 10 Grade 12 students if there must be 5 Grade 12 Students in the committee?

A. 8, 568

B. 17, 640

C. 48, 620

D. 62, 040

58. In a graduating class of 100 students, 54 will study mathematics, 60 will study physics, and 35 will study both mathematics and physics. If one of these students is selected at random, What is the probability that the student will study physics but NOT mathematics?

A. 0.21

B. 0.25

C. 0.35

D. 0.60

59. If there is 40% chance that Von will buy a laptop, 70% chance that he will buy a desktop computer, and 28% chance that he will buy a laptop and a desktop computer, what is the probability that he will buy a laptop or a desktop computer?

A. 30%

B. 42%

C. 68%

D. 82%

	drawn at random and the color is noted and then put back inside the box. Then, another marble is drawn at random. What is the probability that both are blue?						
	A. 0.19	B. 0.20	C. 0.22	D. 0.23			
61. Id	entify the next numl	per in the sequence	7, 15, 24, 34,				
	A. 43	B. 44	C. 45	D. 46			
62. W	hich of the following	sequences illustrate	e an arithmetic seque	ence?			
	i. 3, 8, 13, 1	8, ii. 3, (6, 18, 54,	iii. 7, 12, 19, 26,			
	A. i only	B. ii only	C. i and ii	D. i and iii			
63. W	hat is the arithmetic	mean of 3 and 15?					
	A. 10	B. 9	C. 8	D. 7			
	6 and x -2 are the etric sequence, what		a sequence. If thes	e terms are that of a			
	A. 10	B. 11	C. 12	D. 13			
gener		3. Is the sequence g	equence, the next ter enerating an arithme	rms after the first are tic sequence or			
	•	s arithmetic because difference of the pre		e first is obtained by			
	B. This sequence is geometric because each term after the first is obtained by multiplying a common ratio of the previous term.						
	C. This sequence is neither arithmetic nor geometric because the terms are not related by a common difference or common ratio.						
D. This sequence is neither arithmetic nor geometric because the third and the succeeding terms of the sequence is obtained by getting the sum of the consecutive previous terms.							
66. W	hat is the sum of 1+	1/3 +1/9+1/27+?					
	A. 0.50	B. 0.75	C. 1.25	D. 1.50			

60. A bag contains 5 red marbles, 7 blue marbles, and 3 yellow marbles. A marble is

67. Which of the using synthetic o			is correct	when $2x^3 - 3x^2 + 6x - 8$ is divided by x -	- 5
A5	2	-3	6	8	
s -5 l	2	3	-6	g	

68. If f(3) = 0 then which of the following statement about f(x) is true?

A.
$$x + 3$$
 is a factor of $f(x)$ C. 3 is the remainder of $f(x)$ B. $x - 3$ is a factor of $f(x)$ D. -3 is a zero of $f(x)$

69. The area of the rectangle is $2x^3 + 5x^2 - x - 6$ sq. cm. Write a polynomial that best represent its width, if its length is $2x^2 + x - 3$ cm.

A.
$$x - 3$$
 cm B. $x + 3$ cm C. $x + 2$ cm D. $x - 2$ cm

70. Which of the following represents a polynomial function in one variable?

A.
$$P(x) = x^4 + 5y$$
 C. $P(x) = \sqrt[4]{x} + 5$
B. $P(x) = x^{-4} + 5$ D. $P(x) = x^4 + 5x$

71. A cyclist A travels 15 kph faster than cyclist B. How will you represent the speed of cyclist B if the speed of cyclist A is x kph?

A.
$$15x$$
 B. $\frac{15}{x}$ C. $x - 15$ D. $x + 15$

72. Which of the following is/are polynomials in one variable?

$$i. f(x) = 8x^3 - 5x^2 - 2x + 3$$

$$ii. f(x) = 7x^3 y^2 - 6xy^3 - 5$$

$$iii. f(x) = 4x^4 - 2x^3 + 7x^2 - x - 6$$

A. i only B. ii only C. i and ii D. i and iii

73. What is the end beha	avior of the graph of	$P(x) = -x^3 + 3x^2 +$	5?				
B. The graph rises C. The graph rises	A. The graph rises to the left and falls to the right. B. The graph rises to the right and falls to the left. C. The graph rises to the left and to the right. D. The graph falls to the left and to the right.						
74. Which of the followin	g statements is TRU	E about sector of a c	ircle?				
A. Region bounded by chord and major arc.B. Region bounded by an arc which is 180 degrees in measure.C. Region of the circle bounded by an arc and the segment joining endpoints.D. Region bounded by an arc of the circle and the two radii to the endpoints of the arc.							
75. The segment of a circle is the region bounded by an arc and the segment joining endpoints. In figure at the right, which of the following is considered the segment of circle S?							
B. The region encl C. The region encl	A. The region enclosed by segment SC and arc AHC. B. The region enclosed by the segment AS and arc AC. C. The region enclosed by the segment AC and arc AC. D. The region enclosed by segment AC and arc AHC.						
76. Find the center and r	adius of the circle w	ith an equation of $ x^2 $	$x^2 + y^2 = 16$?				
A. $C(0,0)$; $r = 4$ B. $C(0,0)$; $r = 10$	6	C. $C(1,1)$; $r = 4$ D. $C(1,1)$; $r = 10$	6				
77. What is the location of	of the center of a cir	cle define by the equ	ation $(x+6)^2 + (y+4)^2 = 92$				
A. Quadrant I	B. Quadrant II	C. Quadrant III	D. Quadrant IV				
78. What is the center of	the circle defined by	$y(x-5)^2 + (y-9)^2$	$)^2 = 16?$				
A. (5,9)	B. (-5,9)	C. (-5,-9)	D. (5, –9)				
79. What is the radius of	the circle with an ed	quation of $(x - 8)^2$	$+ y^2 = 49?$				
A. 7	B. 8	C. 41	D. 49				
80. Which part of a circle	is NOT needed to s	ketch its graph?					
A. center	B. radius	C. radius point	D. chord				

81. W	/hat do you call the a	absolute order of an	arrangement of obie	cts?
	A. Combination	B. Distinction	C. Permutation	D. Repetition
82. W	/hat do you call the r	number of ordered ar	rangements of non-	distinct objects?
	A. Circular Permuta		C. Permutation of D	-
	B. Objective Permu	tation	D. Permutation of N	Ion-distinct Objects
83. W	/hat is the value of P	(5, 3)?		
	A. 6	B. 20	C. 60	D. 120
	/hat do you call the v natter?	way of selecting a su	bset from the given	set where order does
	A. Combination	B. Integration	C. Permutation	D. Simulation
85. W	/hat is the value of C	(6, 4)?		
	A. 15	B. 24	C. 30	D. 360
	·	•		vers for the incoming ample of
	A. Combination	B. Differentiation	C. Permutation	D. Selection
87. W	/hat do you call the p	oossible result in an e	experiment?	
	A. Event	B. Outcome	C. Sample Space	D. Set
88. C	hoosing a "King" fron	n a standard deck of	cards is an example	of
	A. Event	B. Outcome	C. Sample Space	D. Set
	/hat do you call a set vents?	that contains all of t	he elements that are	in at least one of the
	A. Intersection	B. Possibilities	C. Union	D. Universal
	$A = \{ g \} $ is the even then A U B should be		girl and $B = \{ b \}$ is	the event that it is a
	A. {g}	B. {b}	C. {g, b}	D. { }