Geometry Chapter 2 Practice Test 2

Nam	e			
1.	If you are 1	0, you should not drive a car.		
Conv	verse:			
Inver	se:			
Cont	rapositive:			
2.	If you are a	a teacher, you are not paid well.		
Conv	verse:			
Inver	·se:			
Cont	rapositive:			
	All students			
Cont	rapositive:			
4. C	onsider the sta	tement "If a figure is a square, it has four right angles."		
	a.) Is the co	nverse of this statement true?		
	b.) Is the in	verse of this statement true?		
	c.) Is the co	ntrapositive of this statement true?		
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Tru	e/False			
	5.	The converse of all dogs like to chase cats is that some dogs like to chase cats.		
	6.	The contrapositive of "if you have a dog, you like cats" is "if you don't like cats, you love dogs."		
	7.	The inverse of "if you are old, you have a big head" is "if you don't have a big head, then you are not old."		

Ten what property	is demonstrated below.	
	8. AB+VG=AB+VG	
	9. If $AC = YN$ and $AC + 4 = 10$, then $YN + 4 = 10$.	
	10. If $AB = XY$, then $XY = AB$	
	11. If $XY - 4 = BC$, then $XY = BC + 4$.	
	12. If $AB = 2$ and $2 = CY$, then $AB = CY$.	
	13. If $AB - XY = BC - XY$, then $AB = BC$	
	14. If $\angle XYZ + \angle ABC = \angle ABC + \angle CWH$, then $\angle XYZ = \angle CWH$.	
	15. If $\angle 1 + \angle 2 = 90$ and $\angle 2 = \angle 5 + \angle 6$, then $\angle 1 + \angle 5 + \angle 6 = 90$	
	16. If $AB = 6$ and $AB + BC = XY$, then $6 + BC = XY$.	
17.	There are 30 kids who play either soccer or baseball. 4 of the 30 kids play both soccer and baseball. If the soccer team has 18 members, how many kids are on the baseball team?	
18.	There are 12 kids in band and 16 in chorus. If 4 of these kids are in both chorus and band, how many total kids are in either band or chorus?	
19.	"If you drive in the left lane, you are not a good driver" is represented by $p\rightarrow q$. What would be the symbolic representation of "if you are a good driver, you don't drive in the left lane"?	
20.	"If you like Jim, you are not a friend of Rick" is represented by p→q. What would be the symbolic representation of "if you are a friend of Rick, you like Jim"?	
21.	What is the contrapostive of $\sim r \rightarrow p$?	
22.	What is the inverse of $\sim r \rightarrow p$?	
23.	In my class, everyone plays either golf or tennis. 14 play golf and 8 play tennis. If 3 play both tennis and golf, how many kids are in my class?	
24.	I have a total of 14 kids. If 10 of my kids play soccer and 12 play tennis, how many play both tennis and soccer?	

	25.	_ 25. There are 30 kids who play either soccer or baseball. 4 of the 30 kids play both soccer and baseball. If the soccer team has 18 members, how many kids are on the baseball team?			
	26. If the area of a circle is 380.13 cm ² , what is the circumference?				
	27. What is the perimeter of a triangle with the following vertices: (2, 6) (7, 4) (9, 12)				
Give the	e perimeter	(circumference for a circle) and area of ea	ch of the given shapes. (1 point each)		
28.		29.	30.		
8 cm		6 cm	8 cm		
	6 cm	10 cm			
28. C	Circumferen	ace = 29. Perimeter =	30. Circumference =		
A	Area =	Area =	Area =		
	31.	A rectangle has a width of $3n + 5$ and a len If the perimeter is 70, what is the value of r	_		
True/Fa	<u>lse</u> for 32-3	35 and please write out the entire word neatly.			
	32.	The converse of "all people like pizza" is "some people like pizza."			
	33.	The inverse of "if you like dogs, then you are a kid" is "if you are a kid, then you like dogs."			
	34.	The contrapositive of "if you have a dog, you like cats" is "if you don't like cats, you love dogs."			
	35.	Consider the statement: "If an angle is 90 d Is the converse of this statement true or fals			