Geometry Chapter 2 Practice Test 2

Name:		Time> Start:	Finish:	Total Time =
1 If you are	2 10 you should not drive a	car		
1. If you are	2 10, you should not urive a	i cai.		
Converse:				
Inverse:				
Contrapositive:				
2. If you are	e a teacher, you are not paid	l well.		
Converse:				
Inverse:				
Contranositiva				
Contrapositive.				
3. All stude	nts love math.			
Converse:				
Inverse:				
Contrapositive:				
4. Consider the	statement "If a figure is a so	quare, it has four right ang	gles."	
a.) Is the	converse of this statement	true?		
b.) Is the	inverse of this statement tr	ue?		
c.) Is the	contrapositive of this stater	nent true?		
True/False				
5.	The converse of all dogs like to chase cat	ogs like to chase cats is th	nat some	
6.	The contrapositive of "if you don't like cate	f "if you have a dog, you l s, you love dogs."	ike cats" is	
7.	The inverse of "if you " if you don't have a	u are old, you have a big h big head, then you are not	nead" is t old."	

Tell 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 4 of the 30 k team has 18 r	kids who play either soccer or baseball. ids play both soccer and baseball. If the soccer 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 by p→q. Wl good driver,	in the left lane, you are not a good driver" is represented hat would be the symbolic representation of "if you are a you don't drive in the left lane"?
20.	"If you like J by p→q. Wh are a friend c	im, you are not a friend of Rick" is represented at would be the symbolic representation of "if you of Rick, you like Jim"?
21.	What is the c	contrapostive of $\sim r \rightarrow p$?
22.	What is the i	nverse of $\sim r \rightarrow p$?
23.	In my class, If 3 play both	everyone plays either golf or tennis. 14 play golf and 8 play tennis. In tennis and golf, how many kids are in my class?
24.	I have a total tennis, how r	of 14 kids. If 10 of my kids play soccer and 12 play nany play both tennis and soccer?

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 perimeter (circumference for a circle) and area of each of the given shapes. (1 point each)



31. A rectangle has a width of 3n + 5 and a length of 2n + 10. If the perimeter is 70, what is the value of n?

True/False for 32-35 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 degrees, it is a right angle." Is the converse of this statement true or false?