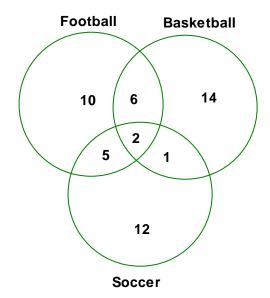
Geometry Chapter 2 Practice Test 1

Nar	me			
Consider the following: a – you live in Radford b – you live in America c – you live in Virginia d – you like Sal's				
1.	What would be the converse of $a \rightarrow b$?			
2.	What would be the inverse of $a \rightarrow d$?			
3.	What would be the contrapositive of $c \rightarrow b$?			
4.	If $a \to c$ and $c \to b$, what can you conclude?			
5.	Let p represent n is a whole number and q represent n is rational number. What is the symbolic representation of "If n is not a rational number, then n is not a whole number?			
6.	"If you eat all of your supper, then you get ice cream" is represented by $p \to q$. What is the symbolic representation of "If you don't eat ice cream, then you didn't eat all of your supper"?			
7.	Consider the following statements: p: You run. q: I will not shoot you with my taser. What is the symbolic representation of "If I shot you with my taser, then you ran"?			

Tell what proper	ty is demonstrated	d below.
	8.	If $AB + BC = XY + BC$, then $AB = XY$
	9.	If $AB = 6$ and $AB + BC = 10$, then $6 + BC = 10$
	10.	$\angle AXY = \angle AXY$
	11.	If $5 \cdot AB = BC$, then $AB = \frac{BC}{5}$
	12.	If $AB = XY$, then $AB + BC = XY + BC$
	13.	If $AB - NP = BC - NP$, then $AB = BC$
	14.	If $-1AB = -10$, then $AB = 10$
	15.	If $AB = BC$ and $BC = XY$, then $AB = XY$
	16.	If $2 = AB$ and $AB + BC = XY$, the $2 + BC = XY$
	17.	If $\frac{XY}{3} = 5$, then $XY = 15$.
18.	What is the area	of a circle with a radius of 10 cm?
19.	What is the circu	umference of a circle with a diameter of 12 cm?
20.	What is the area	of a triangle that has a base of 4 cm and a height of 10 cm?
21.	What is the area	of a circle with a diameter of 8 cm?
22. If the perimeter of a triangle is 26 cm with sides of length $n + 6$, $4n$, and $4n + 6$ what is the value of n ?		
23.	What would mal A. 25 ft ²	ke the most sense as to the area of my classroom? B. 530 ft ² C. 2600 ft ² D. 30,000 ft ²
24.	How many sides	s does a heptagon have?
25.	How many sides	s does a nonagon have?
26.	How many sides	s does a hexagon have?

Consider the following Venn diagram.



 _ 27.	How many kids are on the basketball team and the football team?
 _ 28.	How many kids are playing all three sports?
 _ 29.	How many kids are on the football team?
 _ 30.	How many kids play basketball, but no other sport?
 _ 31.	How many kids play soccer and basketball?
 _ 32.	How many kids are on the basketball team?
 _ 33.	I have a total of 18 kids. If 10 of my kids play soccer and 12 play tennis, how many play both tennis and soccer?
_ 34.	In my class everyone plays either soccer or tennis. 14 play soccer and 10 play tennis. If 6 play both tennis and soccer, how many kids are in my class?
_ 35.	In my class all 15 kids have on either a blue shirt or blue pants. If 12 have on a blue shirt and 10 have on blue pants, how many have on a blue shirt, but not blue pants?