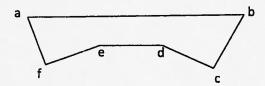
Key

Find a value for the variable that makes the statement true. Then tell th	
1. 0+5m=5(11)	1 Additive Identity
2(-(-(7)))=n	-7 OP-OP
Always, Sometimes, or Never	
3. Supplementary angles are Some times adjacent.	
4. A rhombus is <u>Sometimes</u> a rectangle.	
5. Two angles whose measures have the sum of 180° are	supplementary.
6. A parallelogram is aways trapezoid.	
7. Let M= the set of all tigers and N= the set of all animals.	
a. Find $M \cap N$.	Set of all tigers Set of all animals
b. Find $M \cup N$.	Set of all animals
True or False	
8. $6.7 \cdot 10^{-4}$ is a negative number.	-
9. The ratio of the circumference of a circle to its radius is a rational	I number
10. Write the converse of the following statement.	
a. If there is a tornado, then the town will be ruined.	the town is ruined there was a No tomado.
b. Is the converse always true.	No tomado.
11. Use the following information to write a definition for a square.	
a. If a figure is a square, then it has equal sides and equal angles	
b. Is this a good definition? Explain	vo, doesn't say how many sides. angles
12. a. Graph the set of all numbers x such that $-6 \le x \le -2$.	<
b. Describe the graph geometrically (what is it?).	line 2 segment x
13. Graph the set of all numbers p such that $p \ge 1.5$ or p<-1.5.	
14. Write an inequality based on the number line below.	-2 - 0 2 p
	1// 20/

3.2 3.21 3.22

15. a. Classify the figure below according to the number of sides it has.



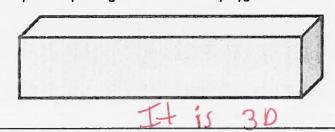
b. Name its sides.

c. Give two names for the figure.

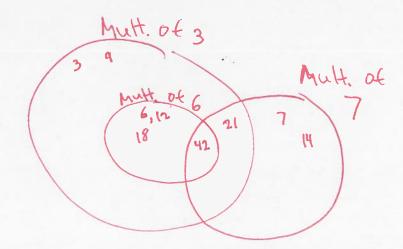
ABLDEF

16. Give an example of a number that is an integer but not a whole number.

17. Explain why the figure below is not a polygon.



18. Create a Venn diagram showing the relationship among these sets: multiples of 3, multiples of 6, multiples of 7.



19. Identify the hypothesis and conclusion of the following statement.

If a polygon has exactly 10 sides, it is a decagon.

thep: a polygon has 10 sides Conclusion: it is a book

20. Sets A, B, and C are described below. Create a Venn diagram showing	g the relationship among these so	ets.
A=movies that are 90 minutes long		
B=movies that are 120 minutes long		
C=movies that are 60 minutes, 90 minutes, 120 minutes, and 180 minutes	s long	
A B		
21. Refer to Question 20. Suppose D is the set of movies that are 60 min for Question 20.22. Make a hierarchy of the following sets of numbers: rational numbers numbers, and integers.		
23. Give three ways to name the angle below.	L ABC L CBA L B	Rational Irration Integens Whole
24. Consider the following statement.		
All four-legged animals are lions.		
a. Write the statement in if-then form. It it is a four legged animal, the	un it is a lion.	
b. Give a counterexample that proves the statement is false.		
<u>Dog</u>		