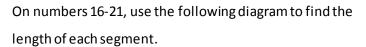
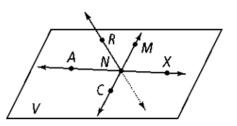
Name_			Date
Block_			
		Chapter 1 Test Review	
1.	Draw a net for the following figures:	-	
	A.	В.	
	7 m		
	10 m		30 mm
	8 m		+>
			36 mm 12 mm
	6 m		
Numb	ers 2 and 4, refer to the diagram.		
	Which of the following planes interse	ect?	
	a. Planes ADC and GHI		D A
	b. Planes ABC and ABI		
	c. Planes CBF and ADG		C
	d. Planes CBI and DAH		E
			✓ F µ
			/G
2		\Box	J
3.	Which of the following planes is paral		
	A. Plane AGH	C. Plane ADE	
	B. Plane <i>BDF</i>	D. Plane <i>CBH</i>	
4		no un and i culou to the frant face of t	he restance large ison 2
4.	How many planes that are shown are A. 0 B. 1		D . 5
	A. 0 B. 1	C . 4	D . 5
For nu	mbers 5-7, refer to the diagram on the	right	
1 OF HG			1
5.	What are the two other names for \overleftarrow{XY}	$\vec{7}$	
		1	1
	What are the opposite rays?		S SY Y
7.	What is the intersection of the two pl	anes?	X
8.	If DM =37, find the value of r.		
0.			
	<i>r</i> + 1	2 <i>r</i> – 15	
	• + 1	•	•
	D	G	М
On nur	nbers 9 and 10, refer to the diagram be	elow	
9.	What is <i>m∠PQR</i> ?		
	-		1
10	Assume point T is collinear with Q and R and Q lies between T and R.		
10.			
	Which angle would be congruent to 2	-	
	A. $\angle PQR$	B. ∠ <i>RQS</i>	$(15m - 0)^{\circ}$ $(2m + 19)^{\circ}$
	$C. \ \angle PQS$	D. none of the above	$(15m - 9)^{\circ}$
			P

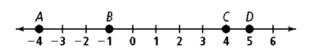
Numbers 11-15, refer to the diagram below.

- 11. What is the intersection of \overrightarrow{CN} and \overrightarrow{RN} ?
- 12. What are two other ways to name plane V?
- 13. Name 3 collinear points.
- 14. Are R, N, M, and X coplanar?
- 15. Name the pair of opposite rays with endpoint N.

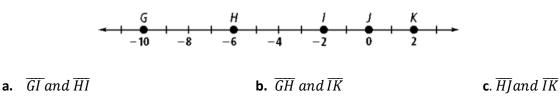


- 16. \overline{AB}
- 17. *BC*
- 18. \overline{AC}
- 19. \overline{AD}
- 20. *BD*
- 21. *CD*



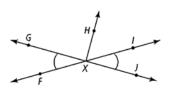


22. Use the following diagram to determine if the following segments are congruent.



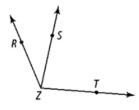
Numbers 23 and 24, refer to the diagram.

- 23. Name a pair of vertical angles
- 24. Name a straight angle in the figure



25. $\angle JKL$ and $\angle CDE$ are congruent. If $m \angle JKL = 137$, what is $m \angle CDE$?

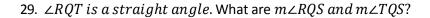
26. If $m \angle RXT = 110$, $m \angle RZS = 3s$, and $m \angle TZS = 8s$, what are $m \angle RZS$ and $m \angle TZS$?

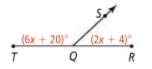


27. PT=5x+3 and TQ=7x-9, find the value of PT.

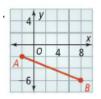


28. In the following diagram, solve for x given the following information. $m \angle AOB = 28, m \angle BOC = 3x - 2, m \angle AOD = 6x$





- 30. \overrightarrow{BD} bisects $\angle ABC$. Solve for x and find $\angle ABC$, given the following information $m \angle ABC = 4x 12, m \angle ABD = 24$
- 31. Find the coordinates of the midpoint of \overline{HX} , given the following points. H(0,0), X(8,4)
- 32. The coordinates of point T are given. The midpoint of \overline{ST} is (5, -8). Find the coordinates of point S, given the following coordinate point. T(1,12)
- 33. Use the following graph to find (a) AB to the nearest tenth and (b) the coordinates of the midpoint of \overline{AB} .



- 34. A man is driving in a city that is built on a grid. His car is at point *S*(77, 17) and he needs to get to a parking lot at point *T*(14, 1).
 - a. What coordinate points are halfway between the car and the parking lot?
 - **b.** How far does the car have to travel to get to the parking lot, if the car can only travel along paths parallel to the axes of the coordinate plane?
 - c. How much distance would the car save by going in a straight line versus moving only along paths parallel to the axes?
- 35. The area of a square rug is 144 ft². There is a 3-ft-wide space between each edge of the rug and the wall. What is the area of the floor not covered by the rug?

