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Unit 1 – TEST Review

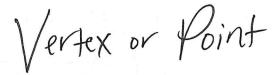
Lessons 1-11

Work every problem to the best of your ability. Show all work. Circle your answers.

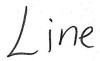
1. What is the name of the ray that divides an angle into 2 congruent parts called?



2. What is the intersection of two lines?



3. What is the intersection of two planes?



4. Which of the following refers to line D F?



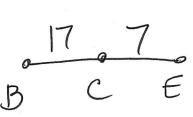
- **B**. \overline{DF}
- $\mathbf{D}.\overrightarrow{DF}$

5. If T is between R and Q, which statement is true?

A.
$$RT = TQ + RQ$$

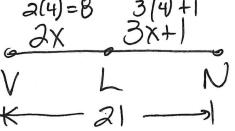
C. $RT + TQ = RQ$

- B. TQ = RT + RQ
- $\mathbf{D}. \ \mathbf{RQ} = \mathbf{TR} \mathbf{TQ}$
- 6. Find the measure of \overline{BE} if C is between B and E and BC = 17 and CE = 7



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	1/1		0	
	VL	-	\mathcal{O}	
/	/ N	= 1	3	(
<u></u>	<u> </u>		\geq)

7. Find the measure of \overline{VL} if L is between V and N and VL=2x, LN=3x + 1 and VN = 21



$$\frac{2x+3x+1=21}{5x+1=21} = \frac{5x}{5} = \frac{5x}{$$

Lessons 1-11

Sketch a segment for each problem. Mark it with the given information. Then solve for x and the indicated measure.

8. Given: J is between H and K. If HJ = 7x + 3, JK = 3x + 7 and HK = 40, then find each of the following:

then find each of the following:

$$x = 3$$
 $JK = 6$

9. Given: Q is between A and B. If BQ = x + 7, AQ = 21 and AB = 8x + 14, then find:

$$x = \underline{2}$$
 BQ

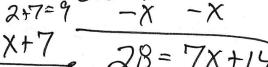
HJ = 24

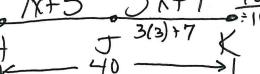
$$28+x=8x+14$$

Sketch below 7(3) +3 =24

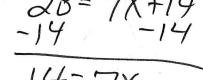
$$10X + 10 = 40$$

Sketch below

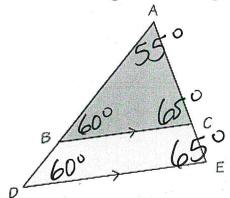




A Q K 8x+14 -



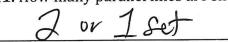
Refer to the figure at the right to answer each question.



8(z)+14=30 = 7 X=7

10. Find measure of <ABC

11. How many parallel lines are shown?



12. Find the measure of <ACB

13. Find the measure of <ADE

3. Find the measure of
$$\langle ADE \rangle$$

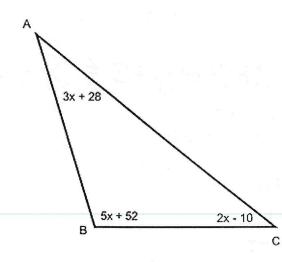
14. What is the reason you used to determine measure of the 3 above angles?

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Lessons 1	-11 Voview
	Wo equal Sign
Z	Expression (do not solve)
15. TX	x = 2x + 1, XW = x + 7; TW 16. $WX = x + 5, TW = 4x + 5: TX$
TW &	1x+1+x+7=(3x+8) = x+5+4x+5 €5x
Time I Alice or	was a second and a List the was a way and to determine the engle measure
	neasure of each angle. List the reason you used to determine the angle measure. ele m<3 is 65 degrees.
0	n hit to
115	Scalo
< 1	$\frac{1}{2}$
73	4
(05)	(os°
118	5°5 \6 *
	7\8<0 W
	///3
	N.
	11-0
17. m<1 =	115° Reason = SUPP. 45

17. m<1 = 115 Reason = Supp. 2518. m<5 = 115 Reason = Same-Side-int 25 Corr 2519. m<6 = 65 Reason = 9 R

Lessons 1-11

21. Find the value of x, 2x-3, 5x-8



$$\frac{10X + 70 = 180}{-70 - 70}$$

$$10X = 110$$

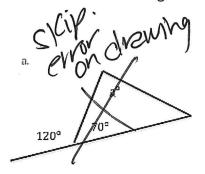
$$x = 1 + \frac{1}{3} + \frac{1}{28} = \frac{1}{3} = \frac{1}{3} = \frac{1}{11} + \frac{1}{38} = \frac{1}{61} = \frac{1}{3} = \frac{$$

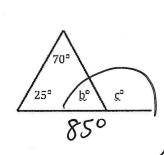
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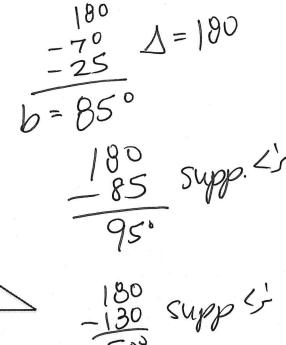
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21. Solve for the missing variable.







$$D = y = 50^{\circ} z = 116^{\circ} - 14^{\circ} \Delta = 180^{\circ}$$

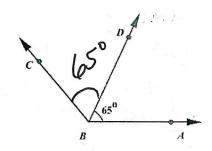
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D	

Lessons 1-11

22. Determine the value of each angle after the angle is bisected.

$$M < CBD = 65$$





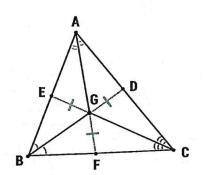
24.) The concurrent lines in this photo are doing what to the interior of the triangle? What is the point of congruency called?

Concurrent lines are doing what event to the interior of the triangle?



What is the point of concurrency called? __





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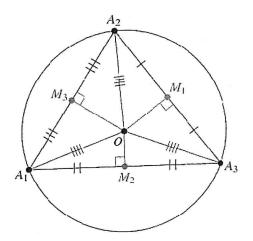
Name:	Teacher:
Data:	

Lessons 1-11

25.) The concurrent lines in this photo are doing what to the interior of the triangle? What is the point of congruency called?

Concurrent lines are doing what event to the interior of the triangle? Perpendicular

Bisector



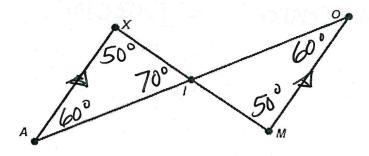
Name:	Teacher:
Data	

Lessons 1-11

26.) Complete the proof

Given>
$$<$$
XIA = 70 degrees, AX is parallel to OM $_{1}$ $<$ 0 = 60°

Find: m < X, m < A, m < M



Statements

Reasons

