Geom 1.2 RWS Signature: _____

#1-2, Given B is between A and C, find the missing measure (a sketch will help).

1. AB = 5.3, BC = ?, AC = 6.7
2. AB = 21, BC = 4.3, AC = ?

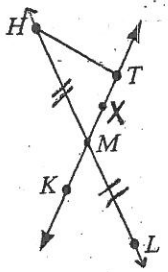
#4-7, Make a sketch using the following information and use it to answer the questions.
S is between T and V. R is between S and T. T is between R and Q. QV = 18, QT = 6 and TR ≅ RS ≅ SV.

4. Find RS
5. Find QS
6. Find TS
7. Find TV

#8-9, U is between T and B. Find the value of x AND the measure of $\overline{TU}$.

8. TU = 2x, UB = 3x + 1 and TB = 21
9. TU = 1-x, UB = 4x + 17, and TB = -3x

#10-14, Use the diagram at right to answer true or false. Given: $\overleftrightarrow{KT}$ bisects $\overline{HL}$ at M.

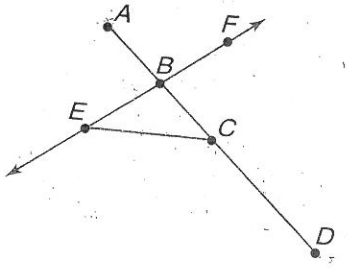


10. $\overleftrightarrow{KT}$ is the same as $\overleftrightarrow{KM}$
11. $\overline{KT}$ is the same as $\overline{KM}$
12. $\overline{MT}$ bisects $\overline{LH}$
13. $\overline{LM} \cong \overline{MH}$
14. KM must equal MT
15. Give another name for $\overleftrightarrow{HL}$
16. Give another name for $\overline{KX}$
17. Find a ray that can be named two different ways and give both names.

#18-21, Determine whether the statement is true or false.

18. Two intersecting lines may be non-coplanar.
19. At least one line must intersect any (3) given points.
20. (4) points may be non-coplanar.
21. If points A and B lie in Plane *M*, then so does every point on $\overline{AB}$.

#22-25, In the figure below $\overline{EC}$ bisects $\overline{AD}$ at C, and $\overline{EF}$ bisects $\overline{AC}$ at B. For each of the following, find the value of x AND the measure of the indicated segment.



22. AB = 3x + 6, BC = 2x + 14; AC = ?
23. AD = 6x – 4, AC = 4x-3; CD = ?
24. AC = 3x-1, BC = 12 –x; AB = ?
25. AB = 4x + 17, CD = 25 + 5x; BC = ?