Intro. to Geo. – Day _____

Name: Key

Hour: _____

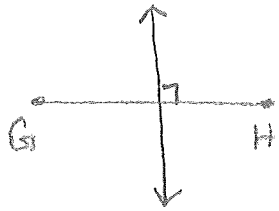
Homework: Line Segments and Angles

The Basics

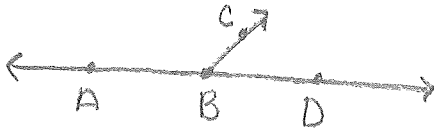
Directions: Illustrate the following.

1. **X is the midpoint of $\overline{AB}$**

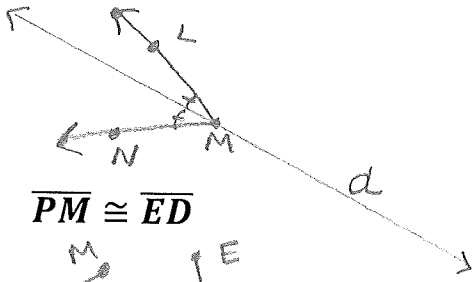
2. **$\overleftrightarrow{AB}$ is a ⊥ bisector of $\overline{GH}$**



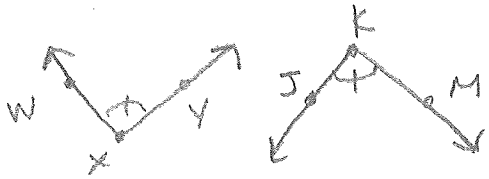
3. **<ABC and <CBD are linear pairs**



4. **Line d is an angle bisector of < LMN**

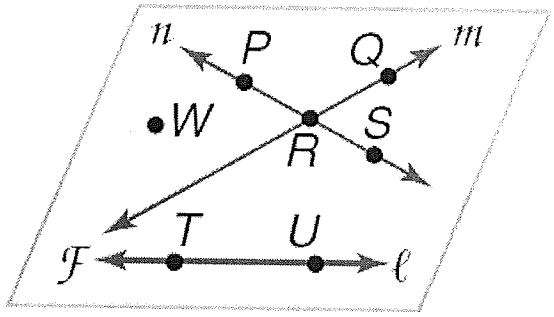


5. **$< WXY \cong < JKM$**



6. **$\overline{PM} \cong \overline{ED}$**

Directions: Refer to the figure.



7. Name a line that contains point P.

n, $\overleftrightarrow{PS}$, $\overleftrightarrow{RS}$, $\overleftrightarrow{PR}$

8. Name the plane containing lines n and m.

F

9. Name the intersection of lines n and m.

Point R

10. Name a point not contained in line l, m, or n.

W

11. What is another name for line n?

$\overleftrightarrow{PS}$, $\overleftrightarrow{RS}$, $\overleftrightarrow{PR}$ order doesn't matter

12. Does line l intersect line m or line n? Explain.

Yes, it will eventually. It is not shown in this picture but the lines go on forever. None of the lines are parallel which means they will intersect