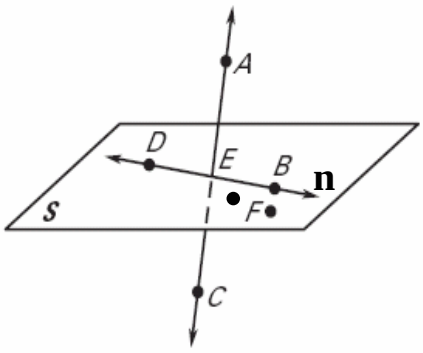
Geometry **Handout #2** **2011**

Name: _____ **Score: _____**

- Today is review day about "Point, Line and Plane" and I want you to work together. Make sure all of you learn from your partner or/and teach your friend. **Do Not** copy answers from others. There will be several handouts and I don't want you to lose any of them. You will get extra credits by turning all of handouts to Mr. Kwon when he is back on Dec. 9th.
- Once you complete all of the problems in handout, please submit to Guest Teacher. Guest Teacher will grade this and give you back tomorrow.
- **If you are disrespectful to the Guest Teacher then your misbehavior will be marked to lower your grade in this semester.**

#1. What is the meaning of "Algebra" & "Geomery"?
Algebra:
Geometry:

#2. Name two countries that started "Geometry".
Name one country that started "Algebra"



Use the above figure for questions #3 to #7.
#3. Give two other names for line n.

#4. Name the intersection of plane S and line AC.

#5. Give two other names for plane S.

#6. Name three coplanar points.

#7. Name three collinear points.

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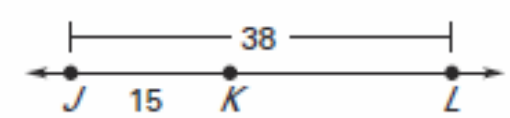
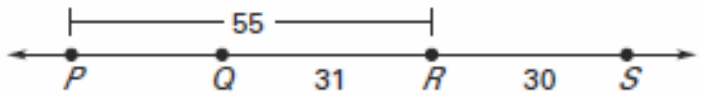


#8. Find the length of KL.

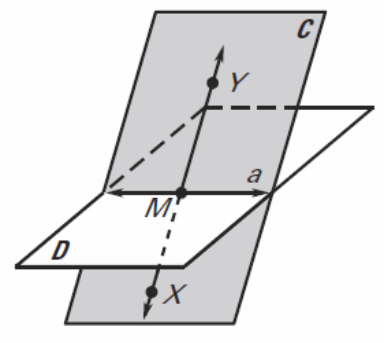


#9. Find the length of PS.

Sketch the figure described. (#10-#11)

#10. Three rays that intersect in two points.

#11. Draw four lines with three intersection points.



#12. From the above figure, Name three collinear points.

#13. From the above figure, what is the intersection of plane D and line YX?

#14. From the above figure, what is the intersection of plane C and plane D?

#15. True or Flase?

A. Ray AB and Ray BA are opposite rays. _____

B. Line AB and Line BA are identical. _____

C. Line Segment AB and Line Segment BA and identical. ____

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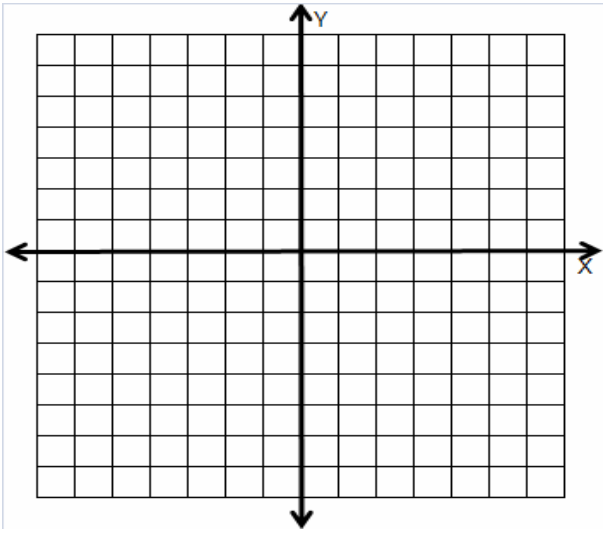
#16-17. Show the point on the graph paper below or find the (x,y).

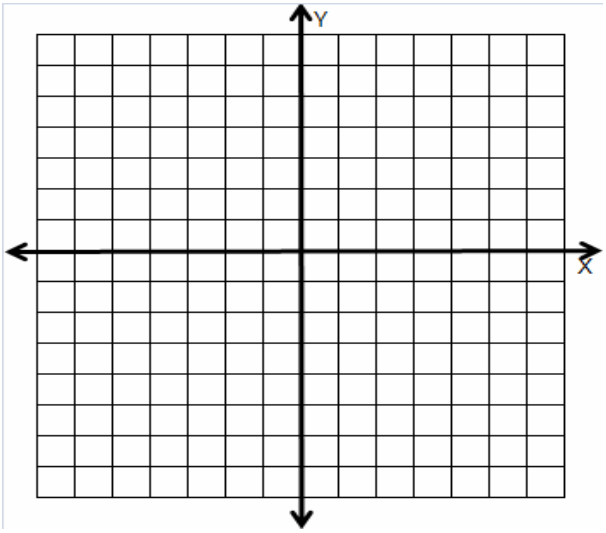
#16. Point M is the midpoint of PQ with endpoints P(0,-3) and Q(-6,3). Find the coordinates of M.

#17. The midpoint of GH is M(3,-2). One endpoint is G(4,2). Find the other end point (coordinates of H).

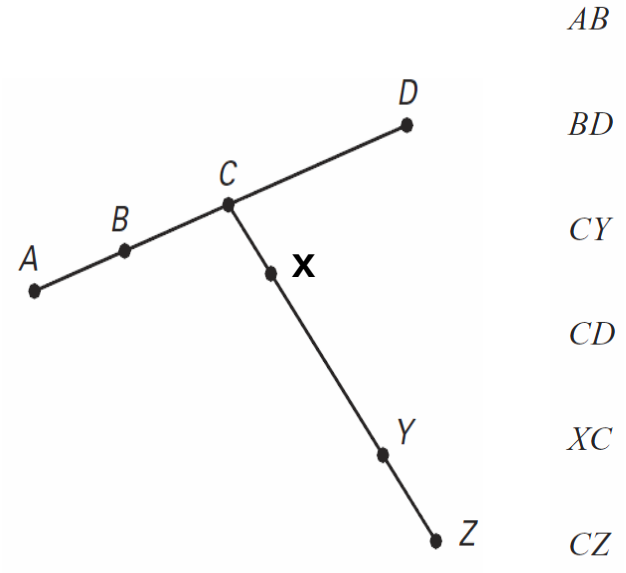
#16.



#17.



#18-20. AD=40, XY=22, XZ=31, and AB=BC=CX=YZ. Find the length of each line segment.



AB

BD

CY

CD

XC

CZ