Welcome to Class!!

You will need:

~ Pencil

~ Highlighter

~ Binder

~ Vocabulary Sheet

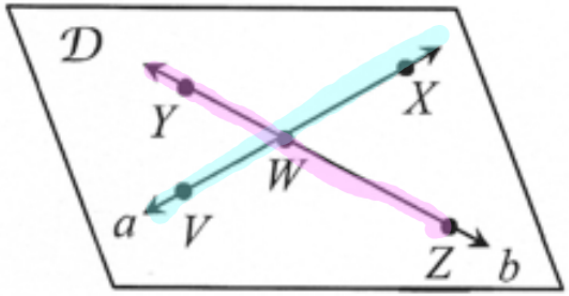
Homework:

~~Handout 1.3~~

Finish handout 1.2

Stick Quiz 8/27/18

1) Use the diagram to answer the following questions.



2) How many points appear in the figure? 5

3) How many lines appear in the figure? 2

4) How many planes appear in the figure? 1

5) Name a line containing point V. a or $\overleftrightarrow{VW}$

• 2 pts for a line

6) Name the intersection of lines a and b. W

7) Give another name for line b. ~~YWZ~~ $\overleftrightarrow{ZY}$

8) Name three non-collinear points. X, Z, Y

9) Give another name for plane D. VXZ

• 3 pts for a plane

On separate sheet – When complete put after page with stick quiz

Unit 1.2: Points, Lines & Planes

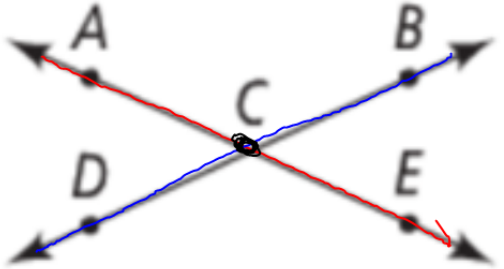
Postulate 1-2:

If two distinct lines intersect,

then they intersect in exactly one

point. $\overleftrightarrow{AE}$ and $\overleftrightarrow{DB}$

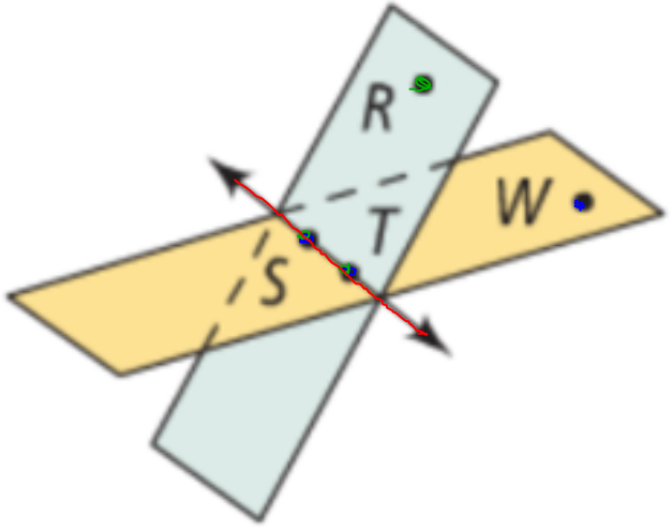
intersect in point C.



Postulate 1-3:

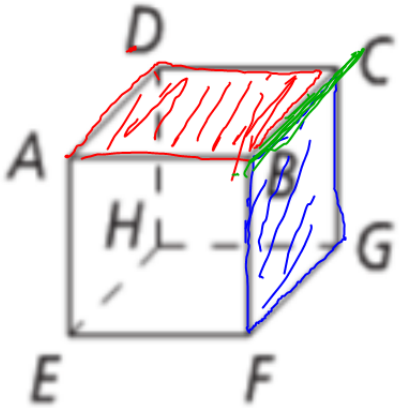
If two distinct planes intersect,
then they intersect in exactly
one line.

Plane STW and plane STR
intersect in $\overleftrightarrow{ST}$.



Example # 4 – Finding the intersection of Two Planes:

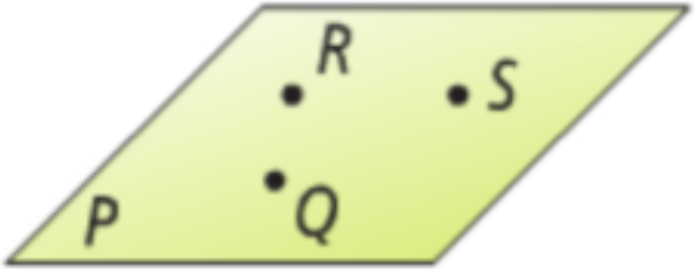
Each surface of the box represents part of a plane. What is the intersection of plane ADC and BFG?



Postulate 1-4:

Through any three noncollinear points there is exactly one plane.

Points R, S, and Q are noncollinear. Plane P is the only plane that contains them.



Example # 5 – Lesson Check:

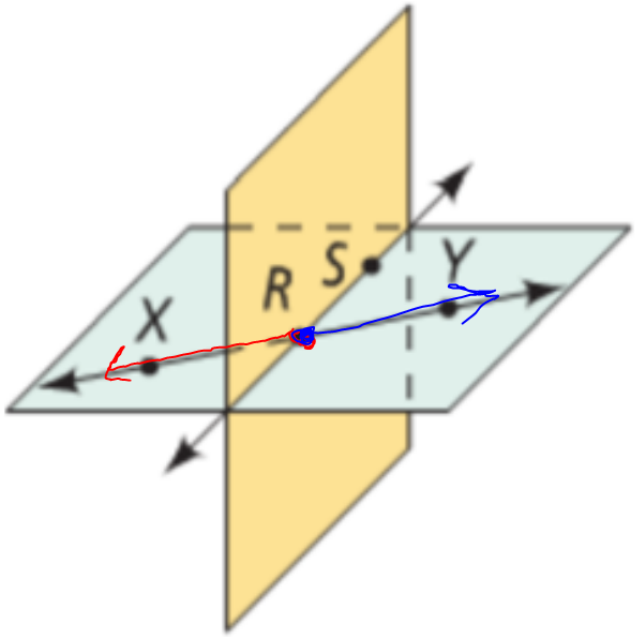
A) What are two other names for $\overleftrightarrow{XY}$? $\overleftrightarrow{XR}$ & $\overleftrightarrow{RY}$

B) What are the opposite rays?

$\overrightarrow{RX}$ and $\overrightarrow{RY}$

C) What is the intersection of the two planes?

$\overleftrightarrow{RS}$



Now what?

Work on:

- Handout 1.2

Must be completed by:

- _____ Minutes

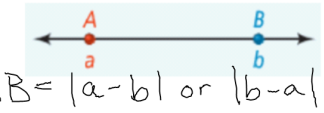
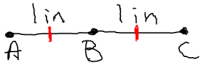
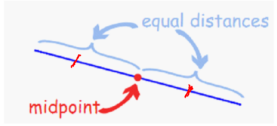
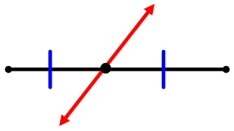
If you finish early:

See me

I can:
1) Understand basic terms and postulate of geometry.

Unit 1.3: Measuring Segments

Vocabulary:

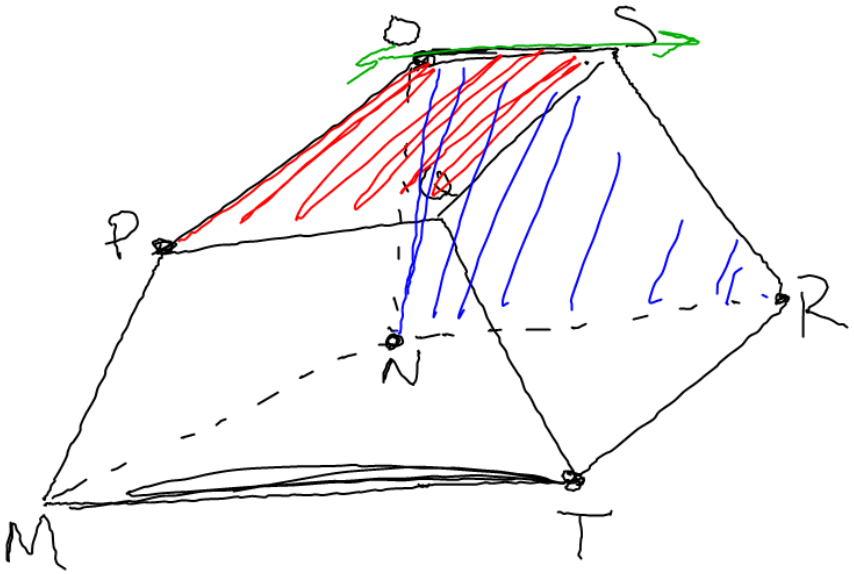
Coordinate	**Coordinates are a set of values that show an exact position.**
Distance • Has to be positive	**Length. A measurement of how far through space.**  $AB = \lvert a-b \rvert$ or $\lvert b-a \rvert$
Congruent	**Equal length or size.** **Symbols:**  $\overline{AB} \cong \overline{BC}$
Midpoint	**The middle of. The point halfway along.** 
Segment Bisector	**The line that divides a segment into two equal parts.** 

(12) Q, S, M & N

(13) O, S, M & T

(14) O, T, R & P

(15) $\overleftrightarrow{OS}$



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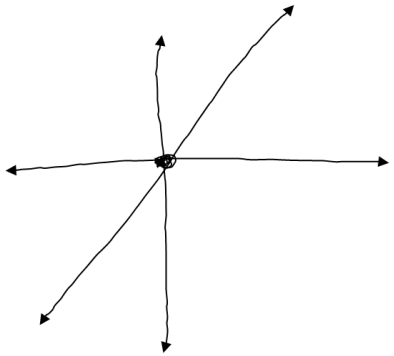

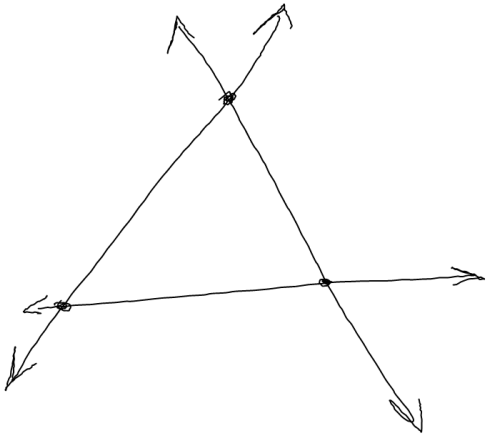

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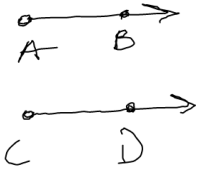
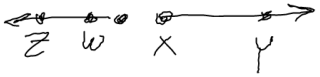


OR



HW Finish 1.2