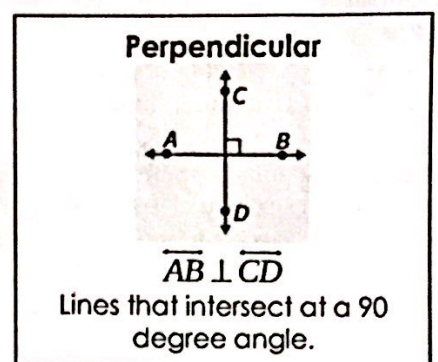
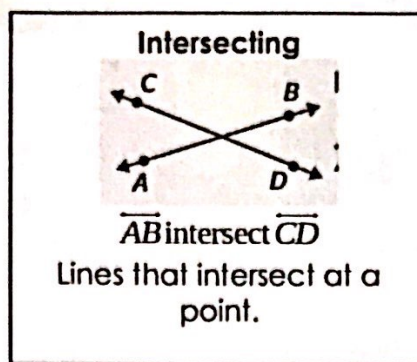
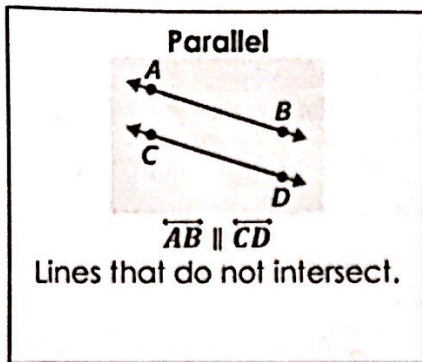


Types of Lines



Draw and label a figure for each relationship:

a. Point K lies on \overline{RT}



b. \overline{AB} and \overline{CD} intersect at point E.



Day 1 – Naming Points, Lines, and Planes Practice

1. Write the following using correct symbols:

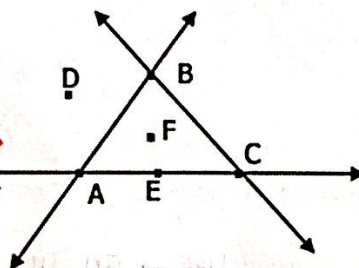
The line containing points A and B. \overleftrightarrow{AB}

A point not on \overline{AC} . F, B, or D

A pair of lines that intersect at point A. \overleftrightarrow{AB} & \overleftrightarrow{AC}

A point on \overline{AC} but not on \overline{BC} . E or A

A point between A and C. E



2. Determine if the following are true or false.

Points E, J, and G are collinear **True**

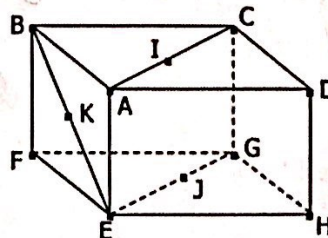
Points A, F, and H are coplanar **False**

Plane ABC intersects plane AIJ in \overline{AC} **True**

\overline{IJ} intersects \overline{EG} at point I. **False**

Points B, D, and H are coplanar. **False**

Points A, I, and C are noncollinear. **False**



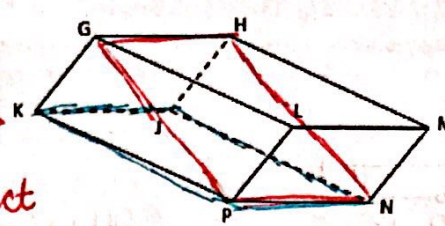
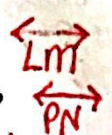
3. Find the intersection of:

\overline{GK} and \overline{LG} **G**

planes GLM and LPN

planes $GHPN$ and KJP

planes HJN and GKL **does not intersect**



4. Determine the following:

Name plane P in another way. **Plane DBA**

Name plane Q in another way. **Plane ABC**

What is the intersection of planes P and Q ? **\overline{AB}**

Are A and C collinear? **yes**

Are $D, A, B,$ and C coplanar? **no**

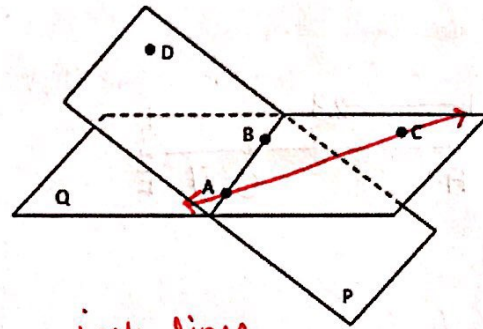
Are D and C collinear? **yes**

What is the intersection of \overline{AB} and \overline{DC} ? **none**

Are planes P and Q coplanar? **no, planes aren't coplanar, just lines**

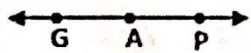
Are \overline{AB} and plane Q coplanar? **yes**

Are B and C collinear? **yes**

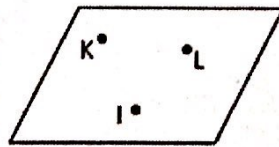


5. Name the following:

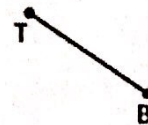
a. **\overleftrightarrow{GP} or \overleftrightarrow{PA}**



b. **Plane IKL**



c. **\overline{TB}**



d. **line l**



e. **\overleftrightarrow{KJ}**



f. **R**

