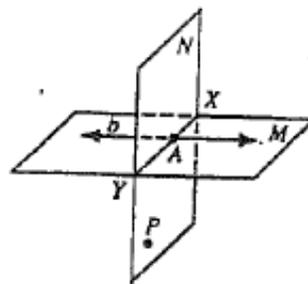


Classify each statement as true ^{or} false.

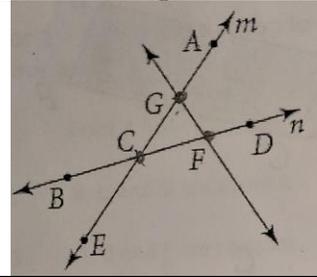
1. \overleftrightarrow{PF} ends at P. _____
2. Point S is on an infinite number of lines. _____
3. A plane has no thickness. _____
4. Collinear points are coplanar. _____
5. Planes have edges. _____
6. Two planes intersect in a line segment. _____
7. Two intersecting lines meet in exactly one point. _____
8. Points have no size. _____
9. Line XY can be denoted as \overleftrightarrow{XY} or \overleftrightarrow{YX} . _____
10. All points on a line are coplanar. _____
11. A line has one endpoint. _____
12. A point is named by a capital letter. _____
13. Two lines intersect in two points. _____
14. The edge of a plane is a line. _____

Determine if each statement is true or false.

1. P is in M. _____
2. b is in M. _____
3. \overleftrightarrow{YX} contains P. _____
4. M contains \overleftrightarrow{YX} . _____
5. A is on b. _____
6. A and P are in M. _____
7. N contains P. _____



- Are A, D, and E collinear? If so, name the line they are on.
- Are B, C, and F collinear? If so, name the line they are on.
- Name \overleftrightarrow{CA} three other ways.

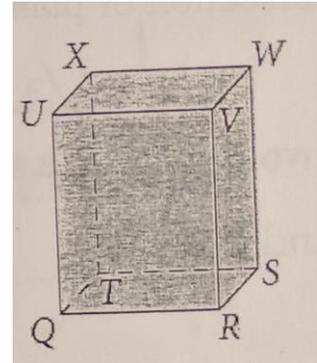


Name the intersection of:

- Plane UVR and plane XWV.
- Plane UXQ and plane XWS.
- Plane UVR, plane XUW, and plane WSV.

Name:

- All lines (segments) parallel to \overleftrightarrow{SR}
- Two lines skew to \overleftrightarrow{UQ}



Determine if each of the following pairs of items represent the same thing. If not, explain.

- \overline{AB} and \overline{BA}
- \overleftrightarrow{LM} and \overline{LM}
- \overleftrightarrow{YX} and \overleftrightarrow{XY}

Draw and accurately label the following:

- A, B, and C are collinear. D is non-collinear to A, B, and C.
- Segment TQ and segment VW intersect at P.
- Line m intersects plane R at point S.

Name THREE (3) points that are COLLINEAR.

Name TWO (2) lines that are COPLANAR.

Name THREE (3) points that are NOT COLLINEAR.

Name FOUR (4) points that are NOT COPLANAR.

