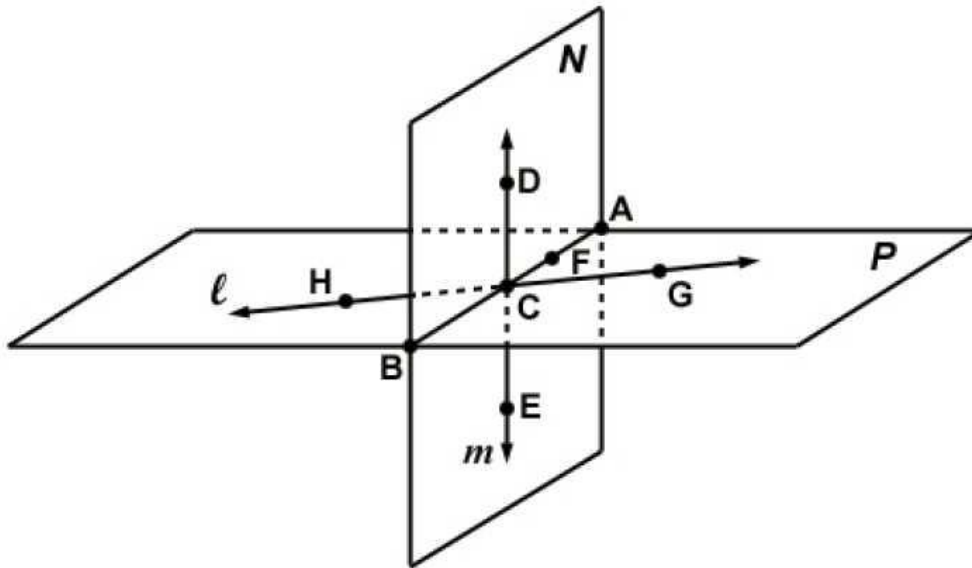


Basic Figures - Points, Lines, Planes, & Space



Using the diagram shown, determine if each of the following statements is true or false:

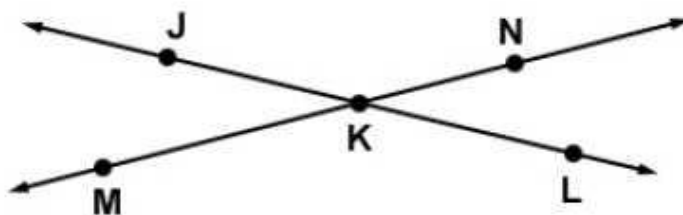
1. H is on line m .
2. Plane P contains point F.
3. Points D, C, and B are collinear.
4. Points D, C, and B are coplanar.
5. Line m is on plane N .
6. Lines l and m intersect at point B.

Using the same diagram shown above, answer each question below:

7. Name two points that are collinear to G.
8. Name a point coplanar to line l .
9. Name the intersection of \overline{HG} and \overline{ED} .
10. Name the intersection of planes N and P .
11. State another name for \overline{CD} .
12. Name two points that are in plane P but not in plane N .

Basic Figures - Segments, Rays, & Length

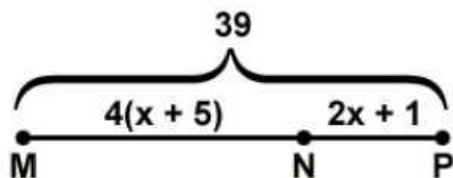
For questions 1 – 10, use the diagram shown to determine if each of the given statements is true or false.



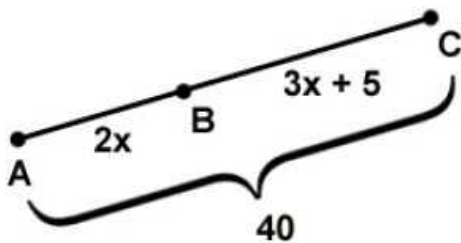
1. K is between J and N.
2. \overline{MK} and \overline{KM} are opposite rays.
3. \overline{KL} and \overline{KJ} are opposite rays.
4. \overline{KN} and \overline{NK} mean the same thing.
5. L is the endpoint of \overline{KL} .
6. \overline{JK} and \overline{KJ} mean the same thing.
7. $JL = LJ$.
8. J is an endpoint of \overline{JL} .
9. $MK = KN$.
10. K is between J and L.

Basic Figures - Segment Addition Postulate & Midpoint

1. Using the diagram shown, find the value of x .



2. Using the diagram shown, find AB and BC .



4. In the given diagram, L is the midpoint of \overline{KM} . Find the value of x .



5. In the given diagram, Y is the midpoint of \overline{XZ} . Find XZ .

