
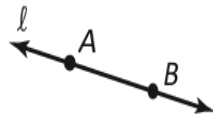
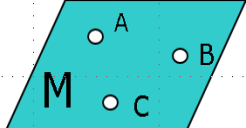
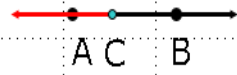
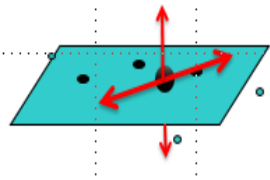
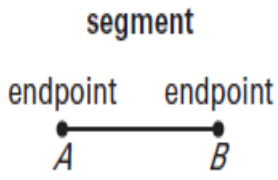
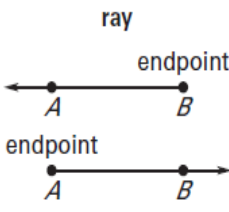
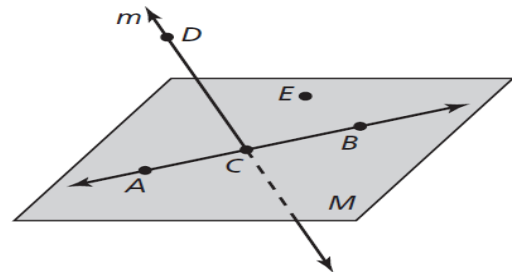


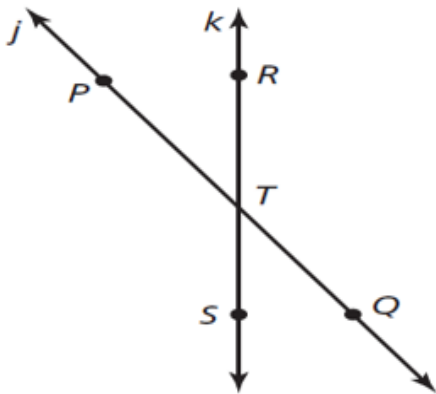
Object	Definition	Picture	Name	"it reads"
Point	A point has no dimension.		A	Point A
Line	A line has one dimension. Through any two points, there is exactly one line. You can use any two points on a line to name it.		\overleftrightarrow{BA} \overleftrightarrow{AB} line l	Line BA Line AB Line l
Collinear Points:	Points on the same line.			
Plane	Plane has two dimensions.		Plane M Plane ABC	Plane M Plane ABC
Coplanar Points	Points that are on the same plane. Through any three points not on the same line, there is exactly one plane.			
Opposite Rays	If point C lies on \overleftrightarrow{AB} between A and B, then \overrightarrow{CA} and \overrightarrow{CB} are opposite rays.			
Intersection	The set of point(s) that two or more geometric figures have in common.			
Segment	The line segment AB, or segment AB (written as \overline{AB}) consists of the endpoints A and B and all points on \overleftrightarrow{AB} that are between A and B. Note that \overline{AB} can also be named \overline{BA} .		\overline{BA} \overline{AB}	Segment BA Segment AB
Ray	The ray AB (written as \overrightarrow{AB}) consists of the endpoint A and all points on the AB that lie on the same side of A as B. Note that \overrightarrow{AB} and \overrightarrow{BA} are different rays.		\overrightarrow{BA} \overrightarrow{AB}	Ray BA Ray AB

In Exercises 1–4, use the diagram.

1. Give two other names for \overleftrightarrow{CD} .
2. Give another name for plane M .
3. Name three points that are collinear. Then name a fourth point that is not collinear with these three points.
4. Name a point that is not coplanar with points A, C, E .



In Exercises 5–8, use the diagram.



5. What is another name for \overleftrightarrow{PQ} ?
6. What is another name for \overleftrightarrow{RS} ?
7. Name a ray with endpoint T.
8. Which of these are opposite rays?

In Exercises 9 and 11, sketch the figure described.

9. Draw planes M and N that intersect at line k .
10. \overline{AB} and \overline{BC}

11. line k in plane M