

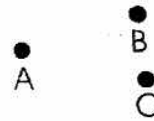
Name: \_\_\_\_\_

Date: \_\_\_\_\_

### Identifying Lines and Parts of Lines

### Points, Lines, and Angles

A **point** is a position in a plane or in space that has no dimensions. These points are named, or written, points A, B, and C, or point A, point B, and point C.



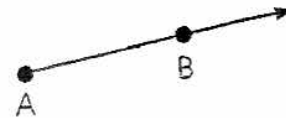
A **line** is a set of points in a straight path that extends infinitely in both directions. This line is named  $\overleftrightarrow{AB}$  or  $\overleftrightarrow{BA}$ . Any two points on a line may be used to name it.



A **line segment** is a finite portion of a line that has two endpoints. This line segment is named  $\overline{AB}$  or  $\overline{BA}$ . A segment must be named by its two endpoints.



A **ray** is a portion of a line that extends from one endpoint infinitely in one direction. This ray is named  $\overrightarrow{AB}$ . The endpoint of a ray is written first, and any point on the ray may be used next.



Name each point, line, line segment, or ray.



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



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Name: \_\_\_\_\_ Date: \_\_\_\_\_

# Drawing Lines and Parts of Lines

Points, Lines, and Angles

Draw and label each of the following.

1.  $\overleftrightarrow{AB}$

2. points C and D

3.  $\overline{RS}$

4. points L, M, and N

5.  $\overrightarrow{MN}$

6.  $\overleftrightarrow{JK}$

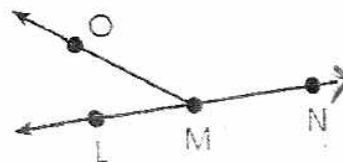
Use the figure to the right to answer each question.

7. Name four points. \_\_\_\_\_

8. Name two line segments. \_\_\_\_\_

9. Name three rays. \_\_\_\_\_

10. Name the line three ways. \_\_\_\_\_



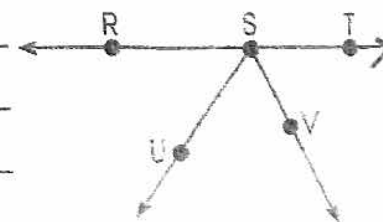
Use the figure to the right to answer each question.

11. Name five points. \_\_\_\_\_

12. Name two line segments. \_\_\_\_\_

13. Name four rays. \_\_\_\_\_

14. Name the line three ways. \_\_\_\_\_



ISBN



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