

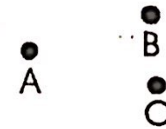
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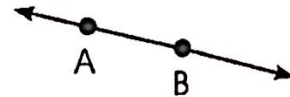
Identifying Lines and Parts of Lines

Points, Lines, and Angles

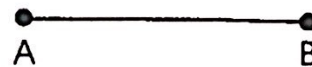
A **point** is a position in a plane or in space that has no dimensions. These points are named, or written, points A, B, and C, or point A, point B, and point C.



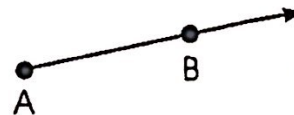
A **line** is a set of points in a straight path that extends infinitely in both directions. This line is named \overleftrightarrow{AB} or \overleftrightarrow{BA} . Any two points on a line may be used to name it.



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.

1.
 \overrightarrow{XY}

2.
 \overline{DE}

3.
 Point S, Point T

4.
 \overleftrightarrow{WX}

5.
 \overleftrightarrow{DC}

6.
 \overline{LM}

7.
 \overline{JK}

8.
 Points R, V, and O

9.
 \overrightarrow{HI}

Name: KEY

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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. \overrightarrow{JK}

Use the figure to the right to answer each question.

7. Name four points. Points O, L, M, and N

8. Name two line segments. \overline{LM} and \overline{OM}

9. Name three rays. \overrightarrow{ML} , \overrightarrow{MO} , \overrightarrow{NL} , \overrightarrow{MN} , \overrightarrow{LN}

10. Name the line three ways. \overleftrightarrow{LM} , \overleftrightarrow{LN} , \overleftrightarrow{MN}

Use the figure to the right to answer each question.

11. Name five points. Points R, S, T, U, V

12. Name two line segments. \overline{US} and \overline{RT}

13. Name four rays. \overrightarrow{SU} , \overrightarrow{SR} , \overrightarrow{TR} , \overrightarrow{RT} , \overrightarrow{SV} , \overrightarrow{ST}

14. Name the line three ways. \overleftrightarrow{RT} , \overleftrightarrow{SR} , \overleftrightarrow{ST}