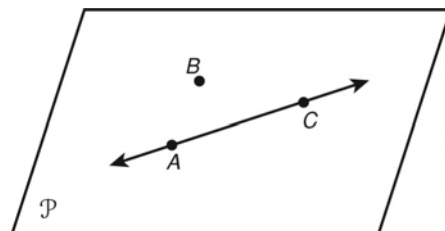


1-1 Understanding Points, Lines, and Planes

Use the figure for Exercises 1–3.

1. Name two points that determine line \overleftrightarrow{AC} .

2. Name a point that is NOT collinear with point A and point C.



3. Name the points that determine plane \mathcal{P} . _____

4. Two points determine one _____ .

5. Collinear points lie on the same _____. Three noncollinear points determine a _____. Coplanar points lie on the same _____.

6. Explain why \overleftrightarrow{ST} and \overleftrightarrow{TS} are or are not the same figure.

7. Explain why \overrightarrow{ST} and \overrightarrow{TS} are or are not opposite rays.

Use the figure for Exercises 8–10.

8. A line segment is a part of a line and has two endpoints. Name the endpoints of \overline{TU} .

9. Find the number of endpoints of \overleftrightarrow{UV} . _____

10. A ray is a part of a line that has one endpoint. Name the endpoint of \overrightarrow{UV} .



11. “This is plane \overleftrightarrow{HIJ} .” Explain why this statement is incorrect.

