

Geometry


1.1 Points, Lines, and Planes

Undefined Terms

Point $A \bullet$

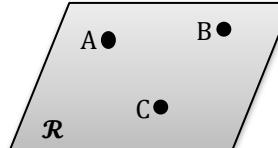
- | | |
|--|--|
| <ul style="list-style-type: none"> • What is it like? ○ _____ ○ _____ | <ul style="list-style-type: none"> • How is it named? ○ _____ ○ _____ |
|--|--|

Line

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> • What is it like? ○ _____ ○ _____ ○ _____ ○ _____ |  <p style="margin: 0;">A line labeled m with arrows at both ends. Two points, A and B, are marked on the line.</p> | <ul style="list-style-type: none"> • How is it named? ○ _____ ○ _____ ○ _____ |
|--|--|---|

Through any _____ points there is exactly one _____.

Plane

- | | | |
|--|--|--|
| <ul style="list-style-type: none"> • What is it like? ○ _____ ○ _____ ○ _____ ○ _____ |  <p style="margin: 0;">A shaded parallelogram representing a plane labeled \mathcal{R}. Three points, A, B, and C, are marked on the plane.</p> | <ul style="list-style-type: none"> • How is it named? ○ _____ ○ _____ |
|--|--|--|

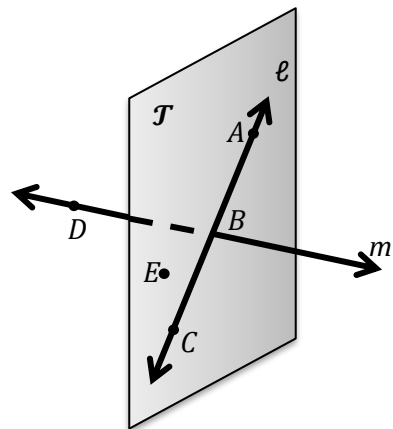
Through any _____ points, there is exactly one _____.

Give two other names for \overleftrightarrow{BD}

Give another name for plane \mathcal{T}

Name three collinear points

Name four coplanar points

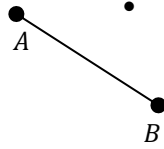


Parts of a Line

Segment

- What is it like?

- _____
- _____
- _____



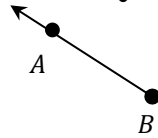
- How is it named?

- _____
- _____
- _____

Ray

- What is it like?

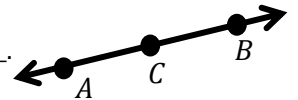
- _____
- _____
- _____



- How is it named?

- _____
- _____
- _____

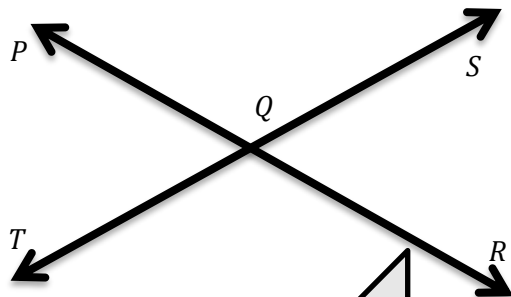
If two rays have the same endpoint and go in opposite directions, they are called _____.



Give another name for \overleftrightarrow{PR}

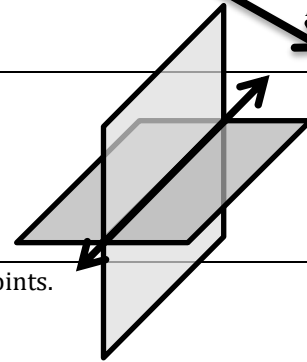
Name all rays with endpoint Q

Which of these rays are opposite rays?



The intersection of two lines is a _____.

The intersection of two planes is a _____.



Sketch a plane and two intersecting lines that intersect the plane at separate points.

Sketch a plane and two lines that do not intersect lying in the plane.

Sketch a plane and two intersecting lines that lie in the plane.

Assignment: 8 #2, 4, 6, 8, 10, 12, 14, 18, 20, 22, 24, 26, 28, 30, 32, 34, 52, 54, 56, 58 = 20 total