Geometry

1.1 Identify Points, Lines, and Planes

Undefined Terms

**Point**

- **What is it like?**
  - __________________
  - __________________

- **How is it named?**
  - __________________
  - __________________

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**Line**

- **What is it like?**
  - __________________
  - __________________
  - __________________
  - __________________

- **How is it named?**
  - __________________
  - __________________
  - __________________
  - __________________

> **Through any _________ points there is exactly one _________.

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**Plane**

- **What is it like?**
  - __________________
  - __________________
  - __________________
  - __________________

- **How is it named?**
  - __________________
  - __________________
  - __________________
  - __________________

> **Through any ___________ points, there is exactly one ___________.

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Give two other names for \(BD\)

Give another name for plane \(T\)

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 **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 intersecting lines that do not intersect the plane.

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

Assignment: 5 #1, 4-38 even, 44-58 even = 27 total