9.1 Introduction to Geometry

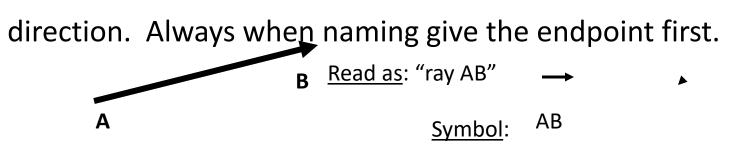
Identifying lines, rays, and segments

VOCABULARY

<u>**Point</u></u> – usually labeled with an uppercase letter. Describes a specific location in space.</u>**

Line – points that extend without end in two opposite directions N N N O Symbol: NO or ON

Ray – has 1 endpoint and extends without end in one



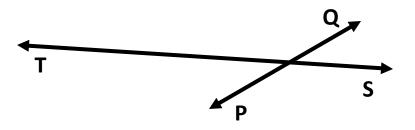
Identifying lines, rays, and segments continued....

Segment – a piece of a line which has Read as: "line segment BE or two endpoints line segment EB" Symbol: Ε В

> **NOTE:** You may have the points at the end of the segment or without.

BE or EB

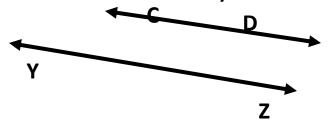
Intersecting lines – two different lines that meet at a point



"Line TS intersects with line PQ"

Identifying lines, rays, and segments continued....

<u>Parallel lines</u> – two different lines that will never intersect no matter how far they extend.

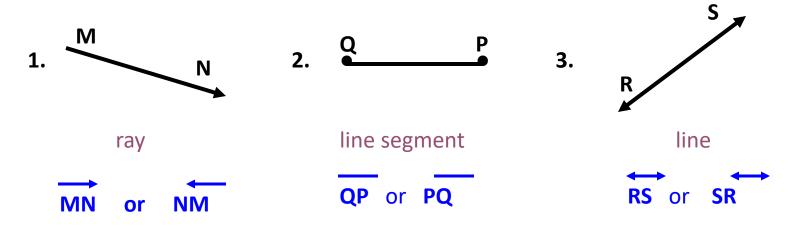


"Line CD is parallel to line YZ."

CD // YZ

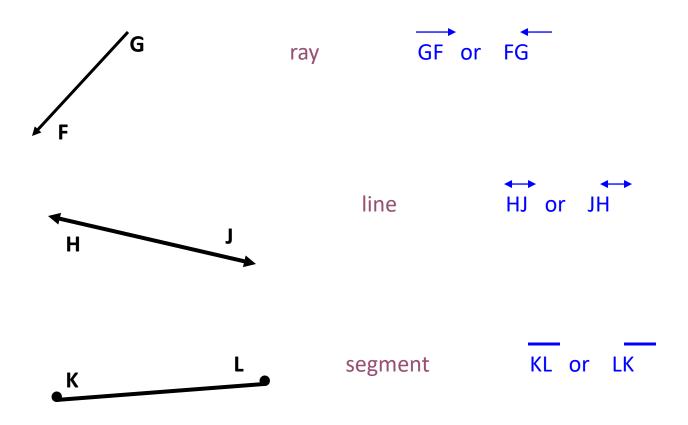
Let's Do Some Examples!

Identify and name the line, ray, or segment.

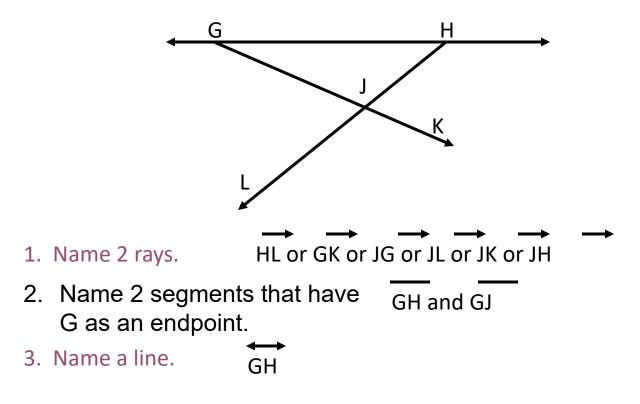


Now You Try!

Identify and name the line, ray, or segment.

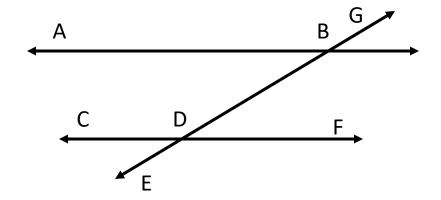


Now You Try Continued



4. Name 3 points. Any 3 that includes L or J or K or H or G

Now You Try Continued



1. Name a pair of intersecting lines.

AB and EG or CF and EG

2. Name a pair of parallel lines.

3. Name DB and BA another way.

AB and CF

BD and AB