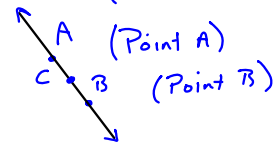


# 9.1 Introduction to Geometry

## Vocabulary Labeling

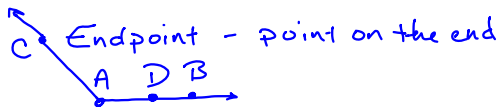
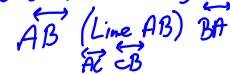
AB  
need to use the write label 'right'

## Point (Undefined term)



## Line (undefined term)

We describe it using 2 letters

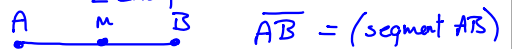


Ray - has an initial point then goes in a given direction

- $\overrightarrow{AB}$
- Is  $\overrightarrow{AB}$  the same as  $\overrightarrow{AC}$ ? No
  - Is  $\overrightarrow{AB}$  the same as  $\overrightarrow{BA}$ ? No  
Different starting points
  - Is  $\overrightarrow{AB}$  the same as  $\overrightarrow{AD}$ ? Yes

## Segment (Line segment)

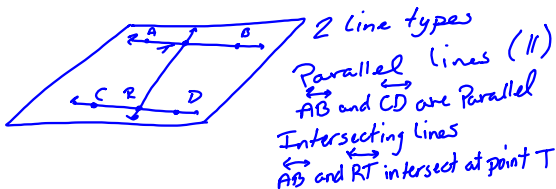
2 endpoints



$\overline{BA}$  is the same as  $\overline{AB}$ ? No  
Is  $\overline{AB}$  the same as  $\overline{AM}$ ? No  
(Do they have the same endpoints?)

## Plane (Undefined Term)

Unending flat surface that contains points and lines



2 line types  
Parallel lines (||)  
 $\overleftrightarrow{AB}$  and  $\overleftrightarrow{CD}$  are Parallel  
Intersecting lines  
 $\overleftrightarrow{AB}$  and  $\overleftrightarrow{RT}$  intersect at point T

P457-459

2-42 even