



# Point, Line, Line Segment Ray, Plane

Name \_\_\_\_\_

Date \_\_\_\_\_

GSL02

## Point

A point in geometry is to locate an exact position in space.



## Line

A line is a collection of points which extends to infinity in both directions. It has no breadth or thickness.

A line is represented as  $\overleftrightarrow{PQ}$ .



## Line segment

A line segment is a part of a line that has definite end points.

A line segment is represented as  $\overline{AB}$ .





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## Ray

A ray is a part of a line with a starting point and extends endlessly in one direction.

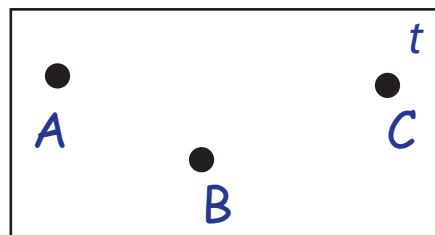
A ray is represented as  $\overrightarrow{MN}$ .



## Plane

A plane is a flat surface with no thickness and extends to infinity in all directions.

It is represented as Plane  $t$  or Plane ABC.



## Collinear points

Points that lie on a straight line are called collinear points.

