

1.1 Identify Points, Lines & Planes

Vocab

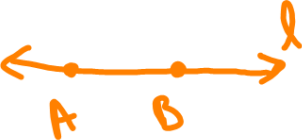
Point - Has no dimension (size). It is shown with a dot

1 point

Ex. $\cdot A$ Point A

Line - Has one dimension. It is shown with line & arrows at each end

2 points

ex.  Line \overleftrightarrow{AB}

Line \overleftrightarrow{BA}

Line l

Plane - Has two dimensions. It is shown with a rectangular type thing.

3 points


ex.  Plane FUN

Plane NUF



Plane M

Vocab

Segment - Is a chunk of a line.

ex.  Endpoints are A & B
 Segment AB , \overline{AB} , \overline{BA}

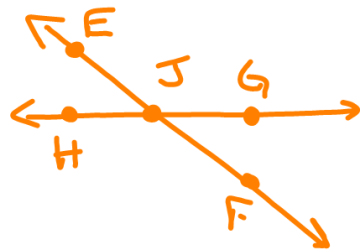
Ray - Is an arrow.

ex.  Endpoint at A
 Ray AB , \overrightarrow{AB}
 is \overrightarrow{BA}

Intersection - Where lines, segments or rays are crossing

ex.  \overrightarrow{RN} & \overrightarrow{MJ} at N
 are crossing


Example



- (a) Give another name for \overrightarrow{GH} .
- (b) Name all rays with endpoint J .
- (c) Name a pair of opposite rays.
- (d) Are \overrightarrow{HJ} & \overrightarrow{HG} the same ray?

Co-author - 2 or more authors for a
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 with book

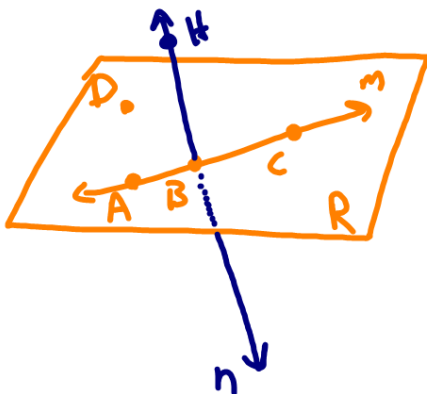
Collinear - 2 or more points on a line
 ↓ ↓
 with line



Coplanar - 2 or more points on a plane
 ↓
 with



Example 1 - Name Stuff



a) Give 2 other names for BH HB line n

b) Give 2 other names for plane R
 Plane DAB
 Plane DAC

c) Name 3 collinear points
 A, B, C

d) Name 4 coplanar points
 D, A, C, B