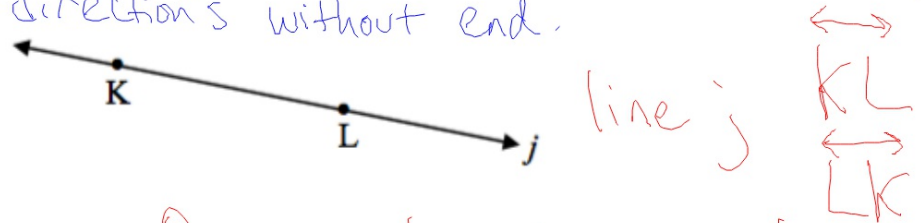


Questions

7.2 Essential Question: HOW ARE POINTS, LINES AND PLANES RELATED?

Point: A location on a plane that has no size

Line: A straight path that extends in 2 opposite directions without end.



Collinear points: Points that lie on the same line.
Points L and K are collinear!

Questions

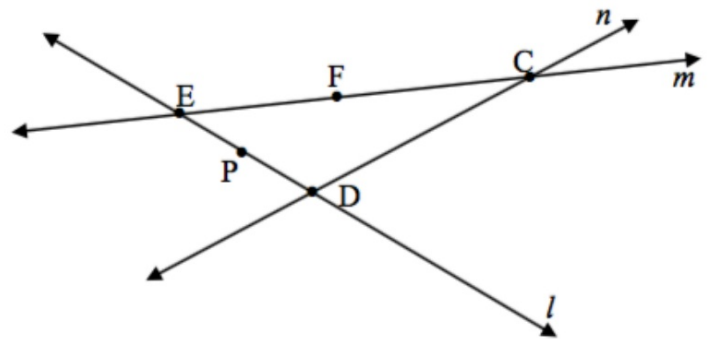
Example 1:

a. Are points E, F, and C collinear?

Yes - on line m

b. Are points E, F, and D collinear?

No!



Questions

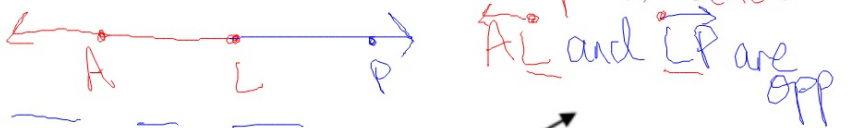
Segment: Part of a line with 2 endpoints.



Ray: Part of a line with one endpoint



Opposite rays: 2 rays that share an endpoint and form a line



(6) **Example 2:**

Segments: $\overline{LP}, \overline{PQ}, \overline{LQ}, \overline{QL}, \overline{PL}, \overline{QP}$

Rays: $\overrightarrow{LP}, \overrightarrow{LQ}, \overrightarrow{PL}, \overrightarrow{QP}, \overrightarrow{QL}, \overrightarrow{PQ}$

Opposite Rays: \overleftarrow{LP} and \overrightarrow{PQ}

