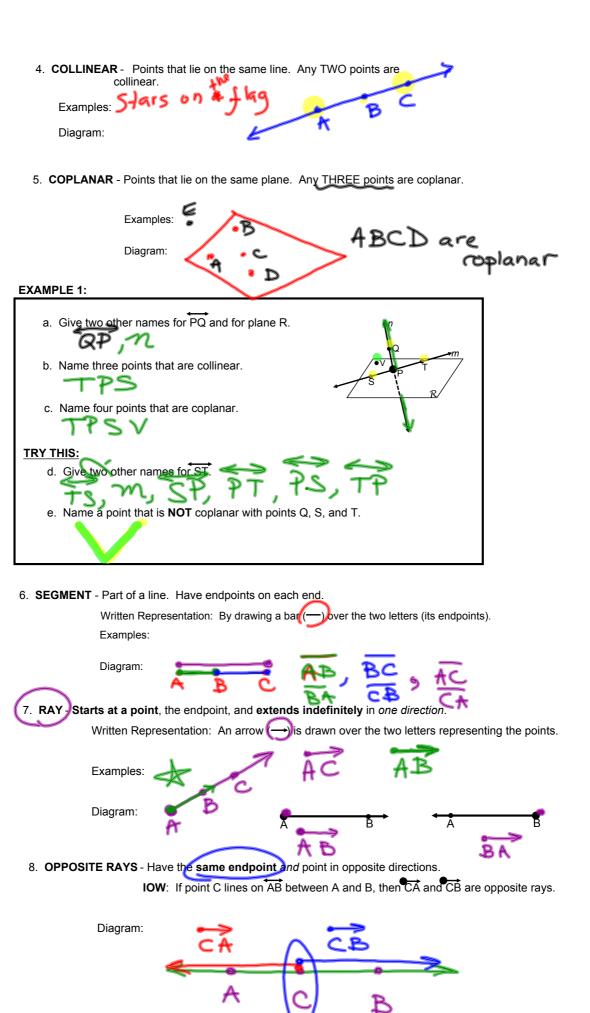
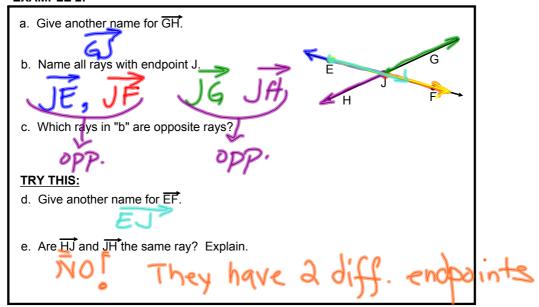
## 1.1 Identify Points, Lines, and Planes

**G.CO.1:** Know precise definitions of angle, circle, perpendicular line, parallel line, and line segment, based on the undefined notions of point, line, distance along a line, and distance around a circular arc.

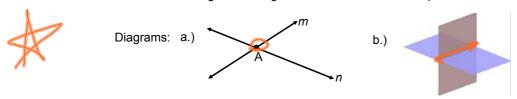
BIG IDEA! To learn how to name and label geometric figures.



## **EXAMPLE 2:**



9. **INTERSECTION** - Two or more geometric figures that have one or more points in common.



## **EXAMPLE 3:**

- a. What does the intersection of "Diagram a" look like?
- b. What does the intersection of "Diagram b" look like?



c. Sketch a plane and a line that is in the plane.



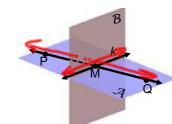
d. Sketch a plane and a line that does not intersect the plane.



e. Sketch a plane and a line that intersects the plane at a point.



f. Name the intersection of  $\overrightarrow{PQ}$  and line k.



g. Name the intersection of plane  $\mathcal{A}$  and plane  $\mathcal{B}$ .

