

Practice

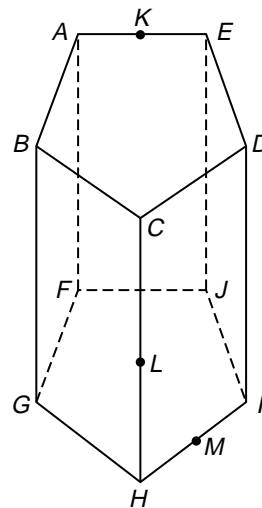
Points, Lines, and Planes*Draw and label a figure for each relationship.*

- Lines ℓ , m and j intersect at P .
- Plane \mathcal{N} contains line ℓ .

- Points A , B , C , and D are noncollinear.
- Points A , B , C , and D are noncoplanar.

Refer to the figure at the right to answer each question.

- Are points H , M , I , and J coplanar?
- How many planes are shown?
- Name the intersection of planes ABG and CHG .
- Name the intersection of plane ABC and \overline{HL} .
- Which segments are contained in all three of the planes GFH , CDI , and EDI ?



- List the Possibilities** Tim can choose from a tan shirt, a blue shirt, and a green shirt. He can choose from black slacks or blue jeans. He can choose from a windbreaker, a sweatshirt, or a jacket. How many different outfits can he wear if he will not wear the sweatshirt with the black slacks?