

Postulates

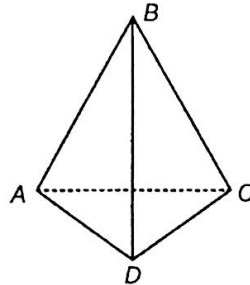
1. Points A , B , and C are noncollinear. Name all of the different lines that can be drawn through these points.



2. What is the intersection of \overline{LM} and \overline{LN} ? ϕ

3. Name all of the planes that are represented in the figure.

- Point L
- ABD
 - BDC
 - ADC
 - ABC
 - OLMN
 - KHIJ
 - OLHK
 - NMIJ
 - LHIM
 - ONJK

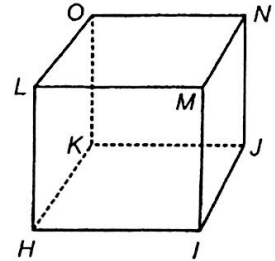


Refer to the figure at the right.

4. Name the intersection of ONJ and KJI . \overleftrightarrow{KJ}

5. Name the intersection of KOL and MLH . \overleftrightarrow{LH}

6. Name two planes that intersect in \overline{MI} . LHM, MNJ



In the figure, P , Q , R , and S are in plane \mathcal{N} . Determine whether each statement is true or false.

7. R , S , and T are collinear. **F**

8. There is only one plane that contains all the points R , S , and Q . **T**

9. $\angle PQT$ lies in plane \mathcal{N} . **F**

10. $\angle SPR$ lies in plane \mathcal{N} . **T**

11. If X and Y are two points on line m , then \overline{XY} intersects plane \mathcal{N} at P . **T**

12. Point K is on plane \mathcal{N} . **T**

13. \mathcal{N} contains \overline{RS} . **T**

14. T lies in plane \mathcal{N} . **F**

15. R , P , S , and T are coplanar. **F**

16. ℓ and m intersect. **F**

