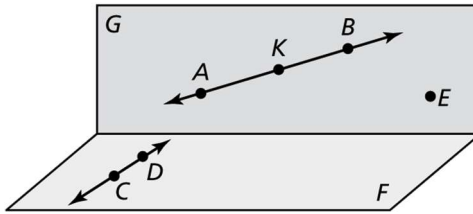




Points, Lines, Planes Practice

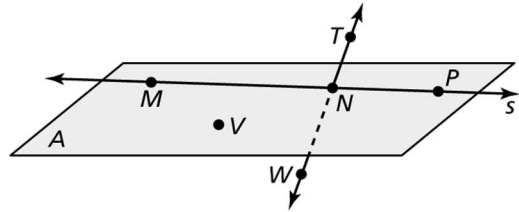
In Exercises 1–3, use the diagram.

1. Name two points.
2. Name two lines.
3. Name the plane that contains point A , B , and E .



In Exercises 4–7, use the diagram.

4. Give one other name for \overleftrightarrow{MN} .
5. Name three points that are collinear.
6. Name three points that are coplanar.
7. Name a point that is *not* coplanar with points N , P , and T .



In Exercises 8–11, sketch the figure described.

8. plane A and line c intersecting at all points on line c

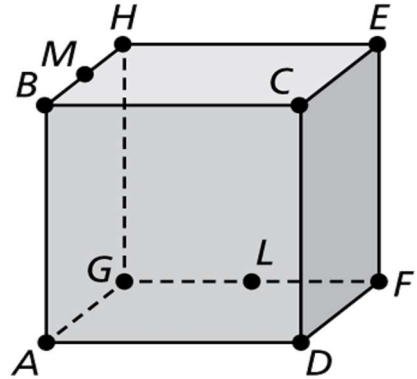
9. \overleftrightarrow{GM} and \overleftrightarrow{GH}

10. line \overleftrightarrow{CD} and plane X not intersecting

11. \overleftrightarrow{AB} intersects plane CDE and point E

In Exercises 12 – 20, use the diagram.

12. Name a point that is coplanar with points A , D , and G .
13. Name the intersection of plane HEG and plane DFE .
14. Name a point that is collinear with BH .
15. Name a point that is *not* coplanar with points C , E , and M .
16. \overleftrightarrow{BH} and \overleftrightarrow{DF} are _____ lines.
17. \overleftrightarrow{CD} and \overleftrightarrow{DF} are _____ lines.
18. \overleftrightarrow{AG} and \overleftrightarrow{CD} are _____ lines.
19. \overleftrightarrow{HG} and \overleftrightarrow{CD} are _____ lines.
20. \overleftrightarrow{BA} and \overleftrightarrow{GF} are _____ lines.



In Exercises 21 – 25, use the diagram.

21. Name the intersection of plane XYZ and plane TVW .
22. Name the two planes that intersect at \overleftrightarrow{XW} .
23. Name three planes that intersect at point Z .
24. Name the intersection of plane TWX and plane TVW .
25. In the figure at right, are there any places where at least four planes intersect? Explain your reasoning.

