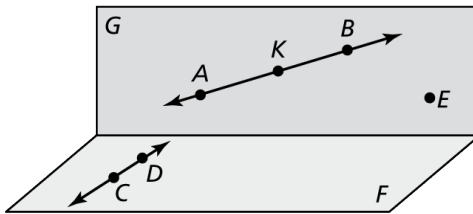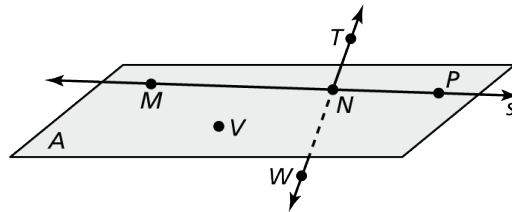Name_____ Date _____

1.1   Practice A

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.

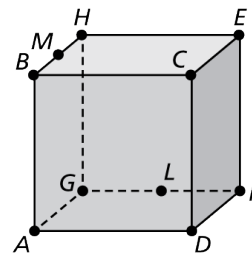7. Name a point that is *not* coplanar with points N, P, and T.
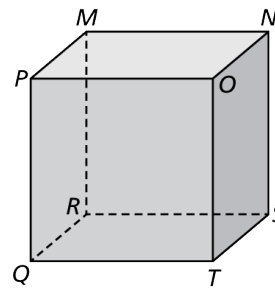
In Exercises 8–10, sketch the figure described.

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
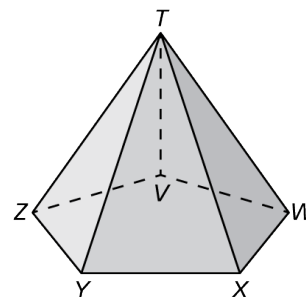
In Exercises 11–14, use the diagram.

11. Name a point that is coplanar with points A, D, and G.

12. Name the intersection of plane HEG and plane DFE.

13. Name a point that is collinear with BH.

14. Name a point that is *not* coplanar with points C, E, and M.

Geometry
Resources by Chapter

16. Name the three planes that intersect at point *P*.

17. Name the intersection of plane *PQO* and plane *NMP*.

18. Name three lines that intersect at point *S*.

19. Are points *P*, *M*, and *Q* collinear? Are they coplanar?

20. Name the intersection of plane *XYZ* and plane *TVW*.

21. Name the two planes that intersect at $\overline{XW}$.

22. Name three planes that intersect at point *Z*.

23. In the figure at right, are there any places where at least four planes intersect? Explain your reasoning.

In Exercises 24 and 25, graph the inequality on a number line. Tell whether the graph is a *segment*, a *ray*, a *point*, or a *line*.

24. $x \geq 2$

25. $-4 < x < 4$