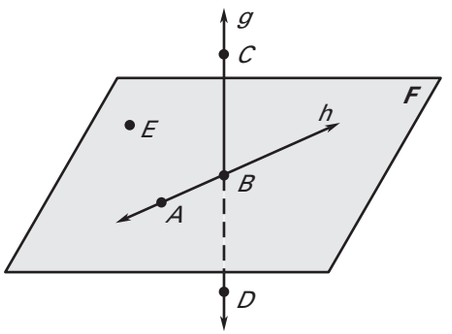
Name _____ Date _____

LESSON 1.1

Practice A

For use with pages 2–8

In Exercises 1–8, use the diagram.



1. Give two other names for $\overleftrightarrow{AB}$.
2. Name three points that are collinear.
3. Give another name for plane F.
4. Name a point that is not coplanar with A, B, and C.
5. Give another name for $\overline{CD}$.
6. Name three rays with endpoint B.
7. Name a pair of opposite rays.
8. Give another name for $\overrightarrow{CD}$.

Sketch the figure described. (use dotted lines when a line goes behind a plane)

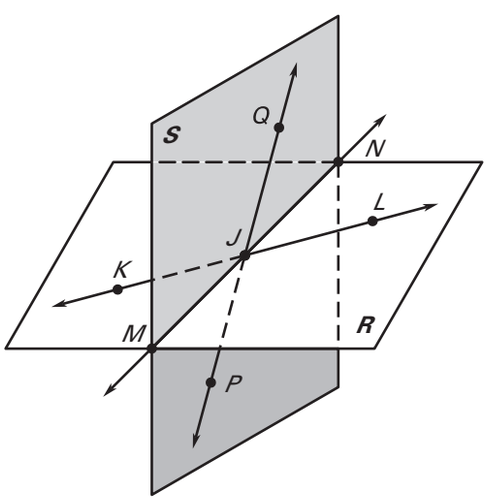
9. Three points that are collinear

10. Four points that are coplanar

11. Three lines that intersect at one point

12. A line and a plane that intersect at one point

In Exercises 13–20, use the diagram.



13. Are points J, K, and L collinear?
14. Are points J, K, and L coplanar?
15. Are points J, K, and M collinear?
16. Are points J, K, and M coplanar?
17. Name the intersection of $\overleftrightarrow{KL}$ and $\overleftrightarrow{PQ}$.
18. Name the intersection of $\overleftrightarrow{PQ}$ and plane KMN.
19. Name the intersection of plane R and plane S.
20. Name three pairs of opposite rays.

Name _____ Date _____

LESSON 1.1

Practice A *continued*

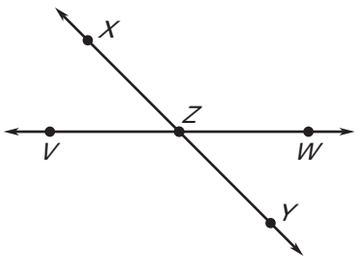
For use with pages 2–8

In Exercises 21–23, use the diagram.

21. Name 12 different rays.

22. Name 2 pairs of opposite rays.

23. Name 2 lines that intersect at point Z.



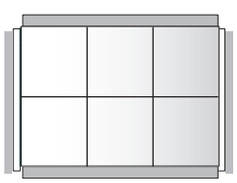
24. Draw three noncollinear points A, B, and C. Sketch $\overleftrightarrow{AB}$. Then add a point D and sketch $\overleftrightarrow{CD}$ so that $\overleftrightarrow{CD}$ intersects $\overleftrightarrow{AB}$ at point B.

You are given an equation of a line and a point. Use substitution to determine whether the point is on the line.

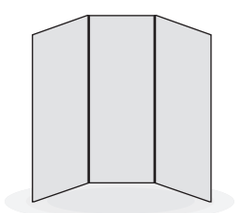
25. $y = x + 4$; $A(3, 7)$ **26.** $y = x - 5$; $A(1, 6)$ **27.** $y = -x - 2$; $A(-8, -10)$

What kind of geometric intersection does the picture suggest?

28.



29.



30.

31. **Table** A four-legged table is placed on a flat surface. The table rocks from side to side. *Explain* why this might occur.