

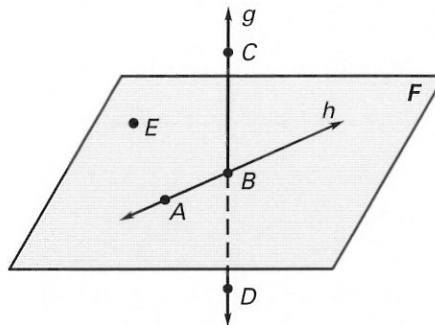
**LESSON**  
**1.1**

**Practice A**

*For use with the lesson "Identify Points, Lines, and Planes"*

**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  $\overleftrightarrow{CD}$ .
6. Name three rays with endpoint  $B$ .
7. Name a pair of opposite rays.
8. Give another name for  $\overleftrightarrow{CD}$ .

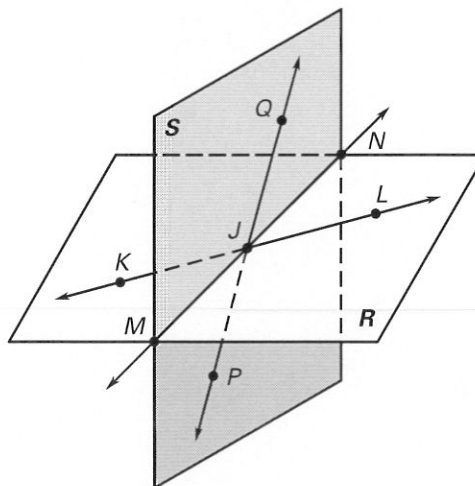


**Sketch the figure described.**

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.

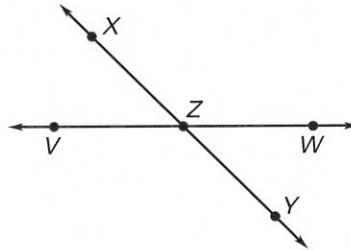


**LESSON**  
**1.1**

**Practice A** *continued*  
*For use with the lesson "Identify Points, Lines, and Planes"*

**In Exercises 21–23, use the diagram.**

- 21. Name 8 different rays.
- 22. Name 2 pairs of opposite rays.
- 23. Name 2 lines that intersect at point Z.

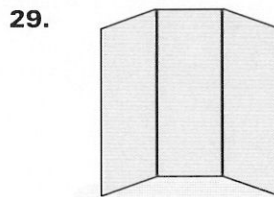
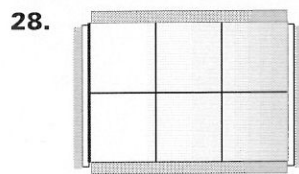


- 24. Draw  $\overleftrightarrow{AB}$  noncollinear points  $A$ ,  $B$ , and  $C$ . Sketch  $\overleftrightarrow{AB}$ . Then add a point  $D$  and sketch  $\overleftrightarrow{CD}$  so that  $\overleftrightarrow{CD}$  intersects  $\overleftrightarrow{AB}$  at point  $B$ .

**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?**



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

