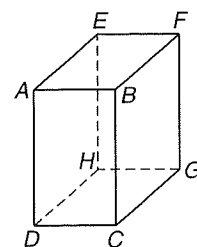# 3-1 Skills Practice

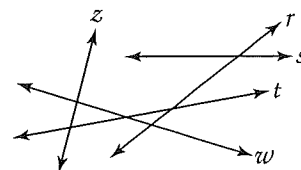## *Parallel Lines and Transversals*

For Exercises 1–4, refer to the figure at the right.

1. Name all planes that are parallel to plane *DEH*.

2. Name all segments that are parallel to $\overline{AB}$.

3. Name all segments that intersect $\overline{GH}$.

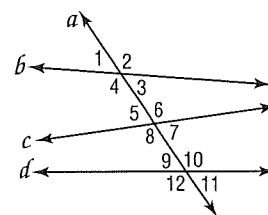4. Name all segments that are skew to $\overline{CD}$.

Identify the sets of lines to which each given line is a transversal.
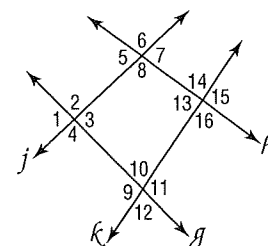
5. *r*

6. *s*

7. *w*

Identify each pair of angles as *alternate interior, alternate exterior, corresponding,* or *consecutive interior* angles.

8. ∠2 and ∠8   9. ∠3 and ∠6

10. ∠1 and ∠9   11. ∠3 and ∠9

12. ∠6 and ∠12   13. ∠7 and ∠11

Name the transversal that forms each pair of angles. Then identify the special name for the angle pair.

14. ∠4 and ∠10   15. ∠2 and ∠12

16. ∠7 and ∠3   17. ∠13 and ∠10

18. ∠8 and ∠14   19. ∠6 and ∠14