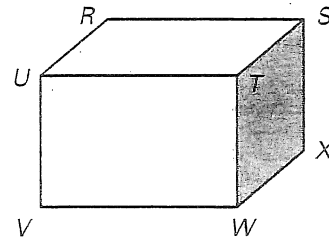## Practice B

For use with pages 129–134

Think of each segment in the diagram as part of a line. Fill in the blank with *parallel, skew,* or *perpendicular.*

1. $\overleftrightarrow{UT}$ and $\overleftrightarrow{WT}$ are ___?___.

2. $\overleftrightarrow{RS}$ and $\overleftrightarrow{VW}$ are ___?___.

3. $\overleftrightarrow{TU}$ and $\overleftrightarrow{WX}$ are ___?___.

4. plane *VWT* and plane *RSX* are ___?___.

5. plane *RST* and plane *SXW* are ___?___.

Think of each segment in the diagram as part of a line. There may be more than one correct answer.

6. Name a line parallel to $\overleftrightarrow{HJ}$.

7. Name a line perpendicular to $\overleftrightarrow{LM}$.

8. Name a line skew to $\overleftrightarrow{GH}$.

9. Name a plane parallel to plane *GHJ*.

10. Name a plane perpendicular to plane *KLM*.
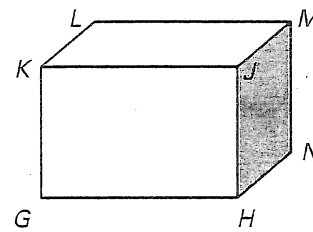
Complete the statement with *corresponding, alternate interior, alternate exterior,* or *consecutive interior*.

11. $\angle 6$ and $\angle 10$ are ___?___ angles.

12. $\angle 7$ and $\angle 9$ are ___?___ angles.

13. $\angle 8$ and $\angle 9$ are ___?___ angles.

14. $\angle 12$ and $\angle 8$ are ___?___ angles.

15. $\angle 5$ and $\angle 11$ are ___?___ angles.

16. $\angle 8$ and $\angle 10$ are ___?___ angles.
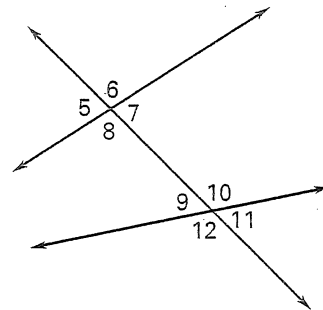
Use the diagram of the Ferris wheel to decide whether the statement is *true* or *false*.

17. At any position around the wheel, the line containing the crossbar, $\overleftrightarrow{AB}$, of each cart is parallel to the ground.

18. For any cart of the Ferris wheel, the line containing the back support, $\overleftrightarrow{CD}$, and the line containing the crossbar, $\overleftrightarrow{AB}$, are skew lines.

19. At any position around the wheel, the line containing the back support, $\overleftrightarrow{DC}$, is perpendicular to the ground.

Geometry
Chapter 3 Resource Book