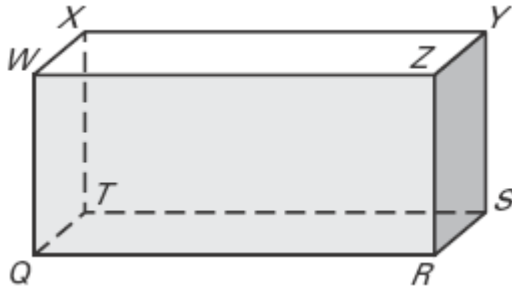


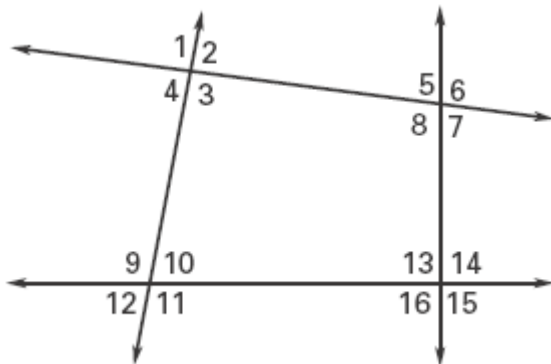
Assignment 18 Lesson 3.1

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



- \overleftrightarrow{WZ} and \overleftrightarrow{XY} are ____.
- \overleftrightarrow{SY} and \overleftrightarrow{WX} are ____.
- Plane WQR and plane SYT are ____.
- Plane RQT and plane WQR are ____.

Classify the angle pair as *corresponding*, *alternate interior*, *alternate exterior*, or *consecutive interior* angles.

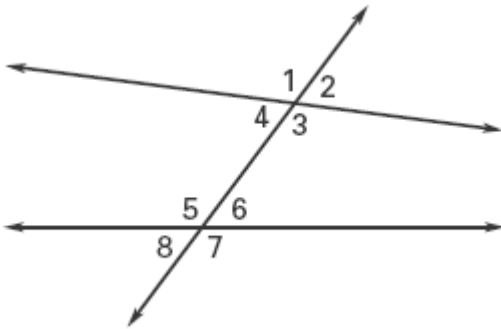


- $\angle 3$ and $\angle 9$
- $\angle 5$ and $\angle 13$
- $\angle 4$ and $\angle 10$
- $\angle 5$ and $\angle 15$
- $\angle 7$ and $\angle 14$
- $\angle 1$ and $\angle 11$

Copy and complete the statement with *sometimes, always, or never*.

11. If two lines are not parallel, then they ___?___ intersect.
12. If one line is skew to another, then they ___?___ intersect.
13. If two lines are perpendicular, then they ___?___ intersect.
14. If two lines are coplanar, then they are ___?___ perpendicular.

In Exercises 15-18, use the diagram.



15. Name all pairs of corresponding angles.
16. Name all pairs of alternate interior angles.
17. Name all pairs of alternate exterior angles.
18. Name all pairs of consecutive interior angles.