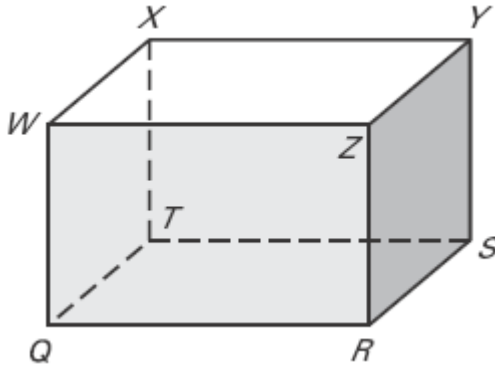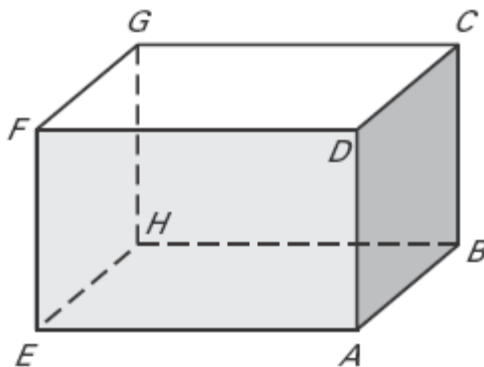**Name** _____   **Date** _____

Practice B
For use with pages 146-152

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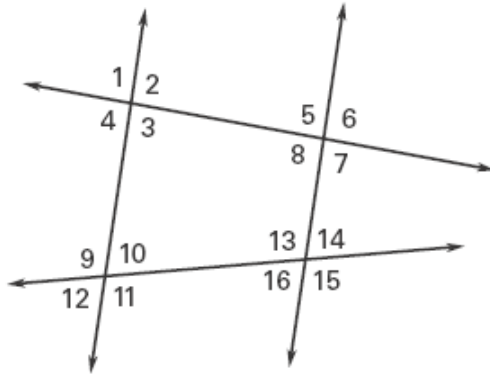*parallel*, *skew*, **or** *perpendicular*.

1. $\overleftrightarrow{WZ}$ and $\overleftrightarrow{ZR}$ are __?__.
2. $\overleftrightarrow{WZ}$ and $\overleftrightarrow{ST}$ are __?__.
3. $\overleftrightarrow{QT}$ and $\overleftrightarrow{YS}$ are __?__.
4. Plane *WZR* and plane *SYZ* are __?__.
5. Plane *RQT* and plane *YXW* are __?__.

Think of each segment in the diagram as part of a line. Which line(s) or plane(s)
appear to fit the description?

6. Line(s) parallel to $\overleftrightarrow{EH}$
7. Line(s) perpendicular to $\overleftrightarrow{EH}$
8. Line(s) skew to $\overleftrightarrow{CD}$ and containing point *F*
9. Plane(s) perpendicular to plane *AEH*
10. Plane(s) parallel to plane *FGC*

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

11. ∠1 and ∠9

13. ∠6 and ∠16

15. ∠8 and ∠16

12. ∠8 and ∠13
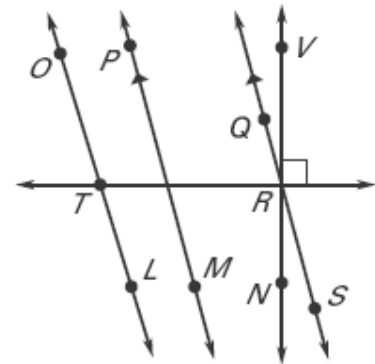
14. ∠4 and ∠10

16. ∠10 and ∠13

In Exercises 17-20, use the markings in the diagram.

  17. Name a pair of parallel lines.

  18. Name a pair of perpendicular lines.

  19. Is $\overleftrightarrow{OL} \parallel \overleftrightarrow{TR}$? *Explain.*

  20. Is $\overleftrightarrow{QL} \perp \overleftrightarrow{TR}$? *Explain.*

Use the diagram of the fire escape to decide whether the statement is *true* or *false*.

  21. The planes containing the platforms outside of each pair of windows are parallel to the ground.

  22. The planes containing the stairs are parallel to each other.

  23. The planes containing the platforms outside of each pair of windows are perpendicular to the planes containing the stairs.

  24. The planes containing the platform outside of each pair of windows are perpendicular to the plane containing the side of the building.