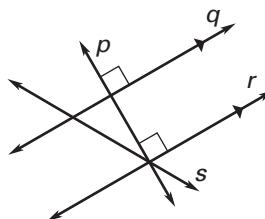NAME_____ DATE _____

Practice B

For use with pages 107–113

Complete the sentence.

1. Two lines are parallel lines if they lie in the same plane and do not __?__.

2. Two lines are perpendicular lines if they intersect to form a __?__ angle.

3. Two lines are skew lines if they do not lie in the same __?__ and do not intersect.

4. Two planes are __?__ planes if they do not intersect.

5. A line perpendicular to a plane is a line that intersects a plane in a point, and that is perpendicular to every __?__ in the plane that intersects it.
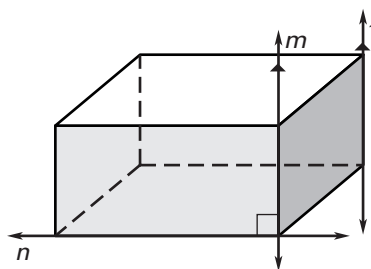
Use the diagram at the right. Determine whether the lines are *parallel, perpendicular,* or *neither*.

6. p and q 7. q and s

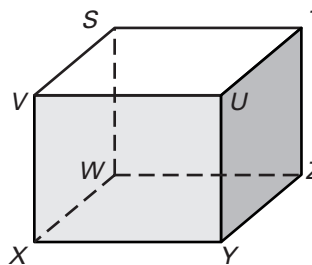8. r and q 9. s and r

Use the diagram at the right.

10. Name a pair of skew lines.

11. Name a pair of parallel lines.

12. Name a pair of perpendicular lines.

Consider each segment in the diagram at the right. Complete the statement.

13. $\overleftrightarrow{WZ}$ and $\overleftrightarrow{XY}$ appear to be __?__.

14. $\overleftrightarrow{XV}$ and $\overleftrightarrow{VU}$ are __?__.

15. $\overleftrightarrow{WX}$ and $\overleftrightarrow{TZ}$ are __?__.

16. $\overleftrightarrow{XV}$ is __?__ to plane *STU*.

17. Plane *TUZ* is parallel to plane __?__.

Use the diagram of the state flag of Texas shown at the right.

18. Name four pairs of parallel lines on the flag.

19. Name two pairs of perpendicular lines on the flag.

20. What parts of the diagram represent a line perpendicular to a plane?

Geometry
Chapter 3 Resource Book

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