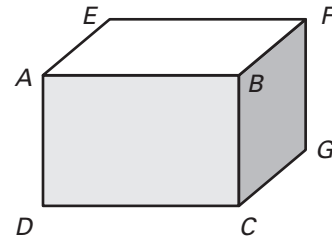NAME _____ DATE _____

Practice A

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. $\overleftrightarrow{AB}$ and $\overleftrightarrow{DC}$ are ___?___ .
2. $\overleftrightarrow{AB}$ and $\overleftrightarrow{BC}$ are ___?___ .
3. $\overleftrightarrow{BF}$ and $\overleftrightarrow{FG}$ are ___?___ .
4. $\overleftrightarrow{AB}$ and $\overleftrightarrow{FG}$ are ___?___ .
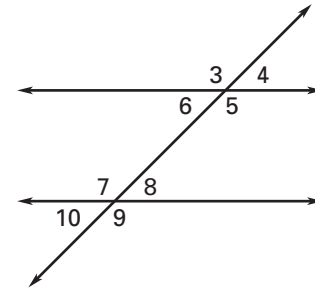
Think of each segment in the diagram as part of a line. There may be more than one correct answer.

5. Name a line parallel to $\overleftrightarrow{MN}$.
6. Name a line perpendicular to $\overleftrightarrow{PR}$.
7. Name a line skew to $\overleftrightarrow{SN}$.
8. Name a plane parallel to plane *RPL*.
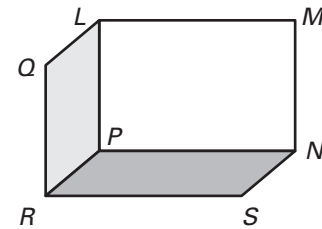
Complete the statement with *corresponding, alternate interior, alternate exterior,* or *consecutive interior*.

9. ∠3 and ∠7 are ___?___ angles.
10. ∠4 and ∠10 are ___?___ angles.
11. ∠5 and ∠8 are ___?___ angles.
12. ∠8 and ∠6 are ___?___ angles.
13. ∠9 and ∠5 are ___?___ angles.
14. ∠5 and ∠7 are ___?___ angles.

Answer true or false.

15. The hands of a clock are perpendicular at 3:00 and 9:00.

16. If two lines do not intersect, then they are parallel.

17. The perpendicular postulate states that for a point on a line, there is exactly one line through the point perpendicular to the line.

18. The parallel postulate states that for a point not on a line, there is exactly one line through the point parallel to the line.

Use the diagram to answer the question.

19. Name all pairs of vertical angles.

20. Name all pairs of corresponding angles.

21. Name all pairs of alternate interior angles.