

REVIEW: Parallel and Perpendicular Lines

Name _____

Key Concept and Vocabulary

Lines in the same plane that do not intersect are called **parallel lines**.
The symbol \parallel means "is parallel to."

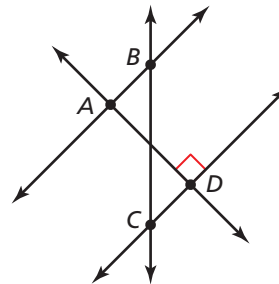


Lines in the same plane that intersect to form four right angles are called **perpendicular lines**.

The symbol \perp means "is perpendicular to."

Skill Examples

- \overleftrightarrow{AB} and \overleftrightarrow{CD} do not appear to intersect.
 - So, \overleftrightarrow{AB} and \overleftrightarrow{CD} appear to be parallel lines.
- \overleftrightarrow{AD} and \overleftrightarrow{CD} intersect to form four right angles.
 - So, \overleftrightarrow{AD} and \overleftrightarrow{CD} are perpendicular lines.



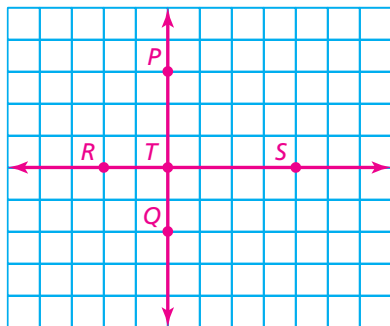
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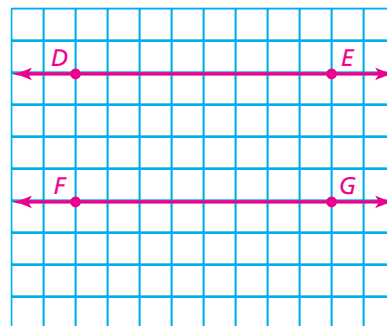
Draw and label the lines with the given description.

3. $\overleftrightarrow{PQ} \perp \overleftrightarrow{RS}$

\overleftrightarrow{PQ} and \overleftrightarrow{RS} intersect at point T.



4. $\overleftrightarrow{DE} \parallel \overleftrightarrow{FG}$



5. **INTERSECTION** Draw a road that appears to be perpendicular to Main Street and parallel to Broad Street.

