

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.”

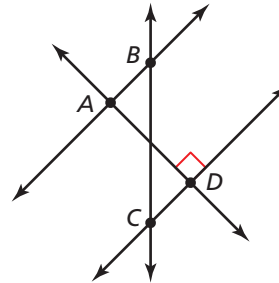
Skill Examples

1. \overleftrightarrow{AB} and \overleftrightarrow{CD} do not appear to intersect.

So, \overleftrightarrow{AB} and \overleftrightarrow{CD} appear to be parallel lines.

2. \overleftrightarrow{AD} and \overleftrightarrow{BC} intersect to form four right angles.

So, \overleftrightarrow{AD} and \overleftrightarrow{BC} are perpendicular lines.



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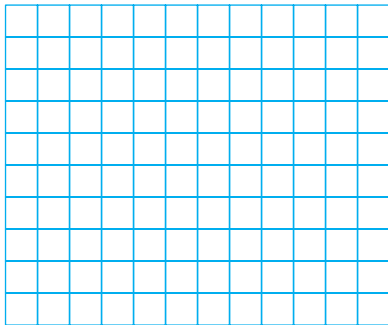


Check your answers at BigIdeasMath.com.

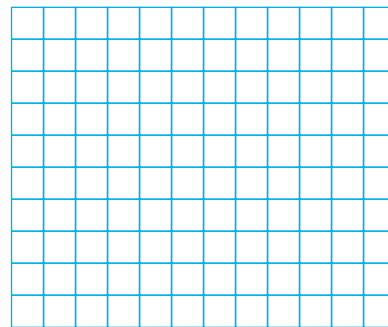
Draw and label the lines with the given description.

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.

