Vocabulary

Fill in the blanks. Use the words in the box.

1. ________ lines are a set of lines that will never meet no matter how long they are drawn.

2. Parallel lines are always the same ________ apart.

3. ________ lines are two straight lines that meet or cross at a ________ or 90°.

Concepts and Skills

Which pair of lines is parallel and which pair of lines is perpendicular? Write parallel, perpendicular, or neither.

4. a. 
   b. 

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Fill in the blanks with perpendicular or parallel.

5. $\overline{AB}$ is ________ to $\overline{DC}$.  
6. $\overline{DC}$ is ________ to $\overline{BC}$.

7. $\overline{AD}$ is ________ to $\overline{BC}$.  
8. $\overline{AD}$ is ________ to $\overline{AB}$.

Name a pair of perpendicular line segments and a pair of parallel line segments.

9. The perpendicular line segments are ________.

The parallel line segments are ________.
Identify a pair of perpendicular line segments and a pair of parallel line segments on the figure shown. Use a straightedge and a protractor or drawing triangle to help you.

10. The perpendicular line segments are ________________.

The parallel line segments are ________________.

11. Copy the set of parallel lines on the blank grid provided.
12. Copy the pair of perpendicular lines on the blank grid provided.