

Vocabulary: Constructing Parallel and Perpendicular Lines

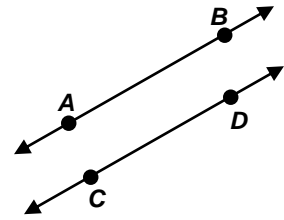


Vocabulary

- **Construction** – a drawing of a figure made using only a compass and a straightedge.

- **Parallel lines** – lines that lie in the same plane and never intersect.

- Parallel lines are always the same distance apart.
- The symbol \parallel means “is parallel to.”
 - For example, in the figure shown to the right, \overleftrightarrow{AB} and \overleftrightarrow{CD} lie in the same plane and never intersect, so $\overleftrightarrow{AB} \parallel \overleftrightarrow{CD}$.



- **Perpendicular lines** – lines that intersect at right angles.

- The symbol \perp means “is perpendicular to.”
 - For example, in the figure shown to the right, \overleftrightarrow{WX} and \overleftrightarrow{YZ} intersect at right angles, so $\overleftrightarrow{WX} \perp \overleftrightarrow{YZ}$.

