

Vocabulary: Parallel, Intersecting, and Skew Lines



Vocabulary

- Intersecting lines – lines that have exactly one point in common.
 - For example, in the figure shown to the right, \overleftrightarrow{MN} and \overleftrightarrow{PQ} intersect at point O .
- Line – a straight path that extends forever in both directions.
- 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 $\overleftrightarrow{AB} \parallel \overleftrightarrow{CD}$.
- Plane – a flat surface that extends forever in all directions.
- Point – a specific location in space.
 - For example, the lines shown in the figure to the right are skew.

