

## GEOMETRY: LINES AND ANGLES

### What Are Lines and Angles?

There are 3 sets of **Lines**:

- **Intersecting Lines** are lines that cross and have one point in common.
- **Perpendicular lines** are special intersecting lines that form right angles (square corners) where they intersect.
- **Parallel lines** are lines that never cross. Parallel lines are always the same distance apart and do not share any points.

The



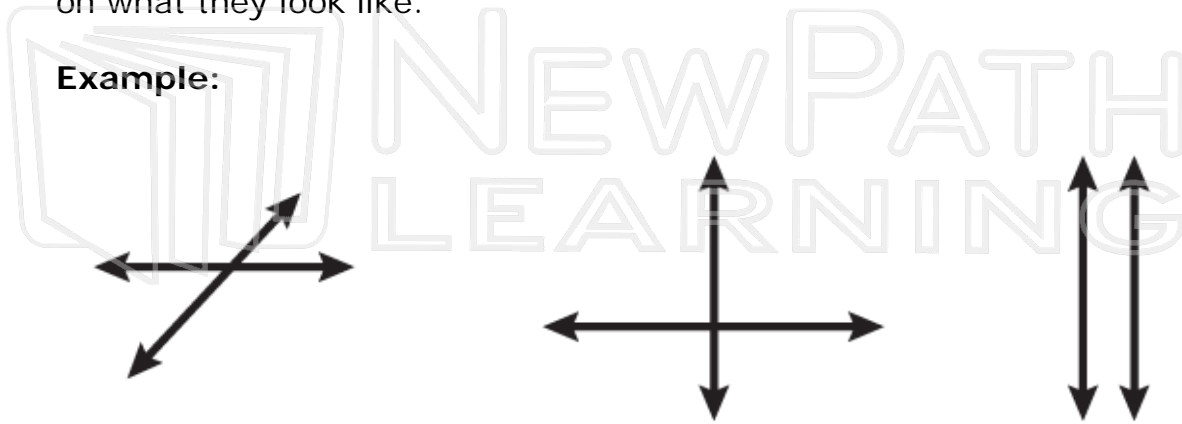
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## How to figure out Lines and Angles:

**Lines:** Decide if lines are intersecting, parallel or perpendicular based on what they look like.



To find

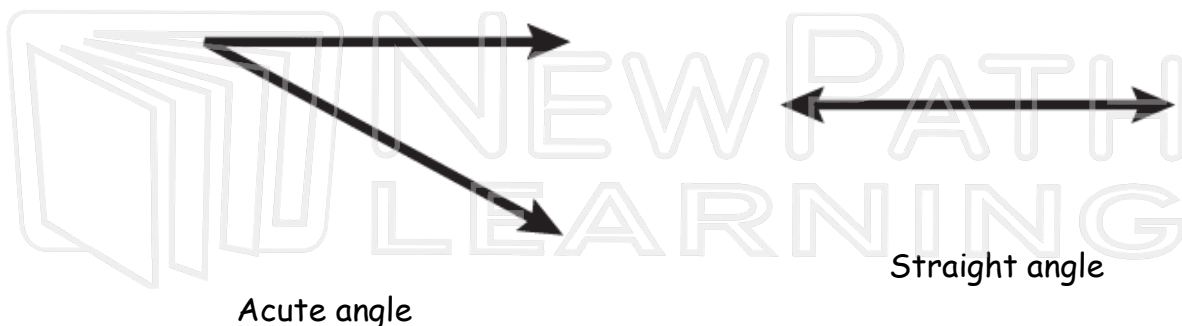
Step



**PREVIEW**

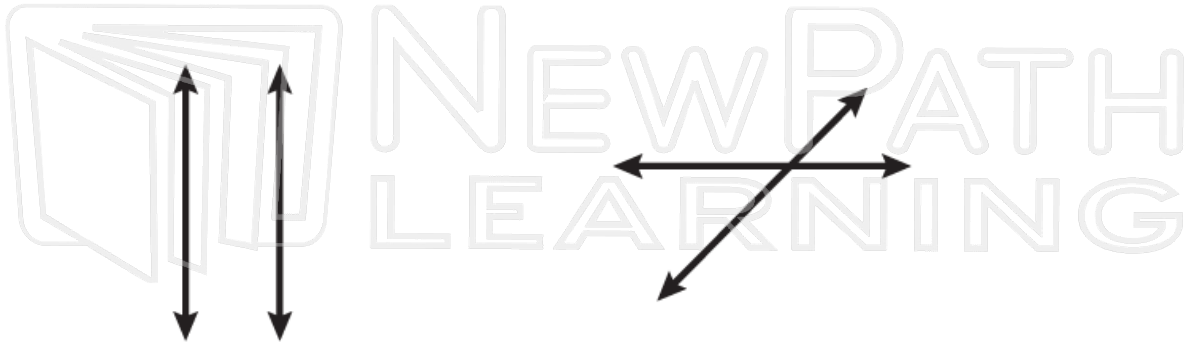
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Example:



## Try This!

Identify the lines as Perpendicular, Parallel, or Intersecting.



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The banner features a row of ten diverse children standing on a green grassy field. Above them are five thought bubbles containing various educational icons: a cube, a microscope, a protractor, a globe, a chemistry flask, a pencil, a bar graph, a pie chart, a bar graph with an upward arrow, and a math symbol box with '+', '-', 'x', and '='. Below the children, the word 'PREVIEW' is written in large, bold, blue and orange letters. Below that, the text 'Please Sign In or Sign Up to download the printable version of this worksheet' is displayed in a dark blue font. A large black arrow points downwards from the left side of the banner.

