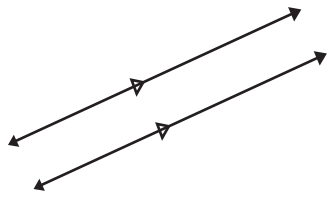
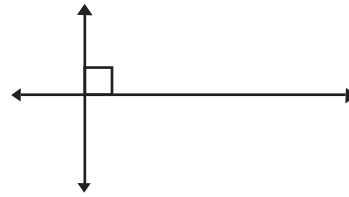


Parallel and Perpendicular Lines

Parallel lines are distinct lines lying in the same plane that never intersect each other.
 Perpendicular lines are lines that intersect each other at right angles.

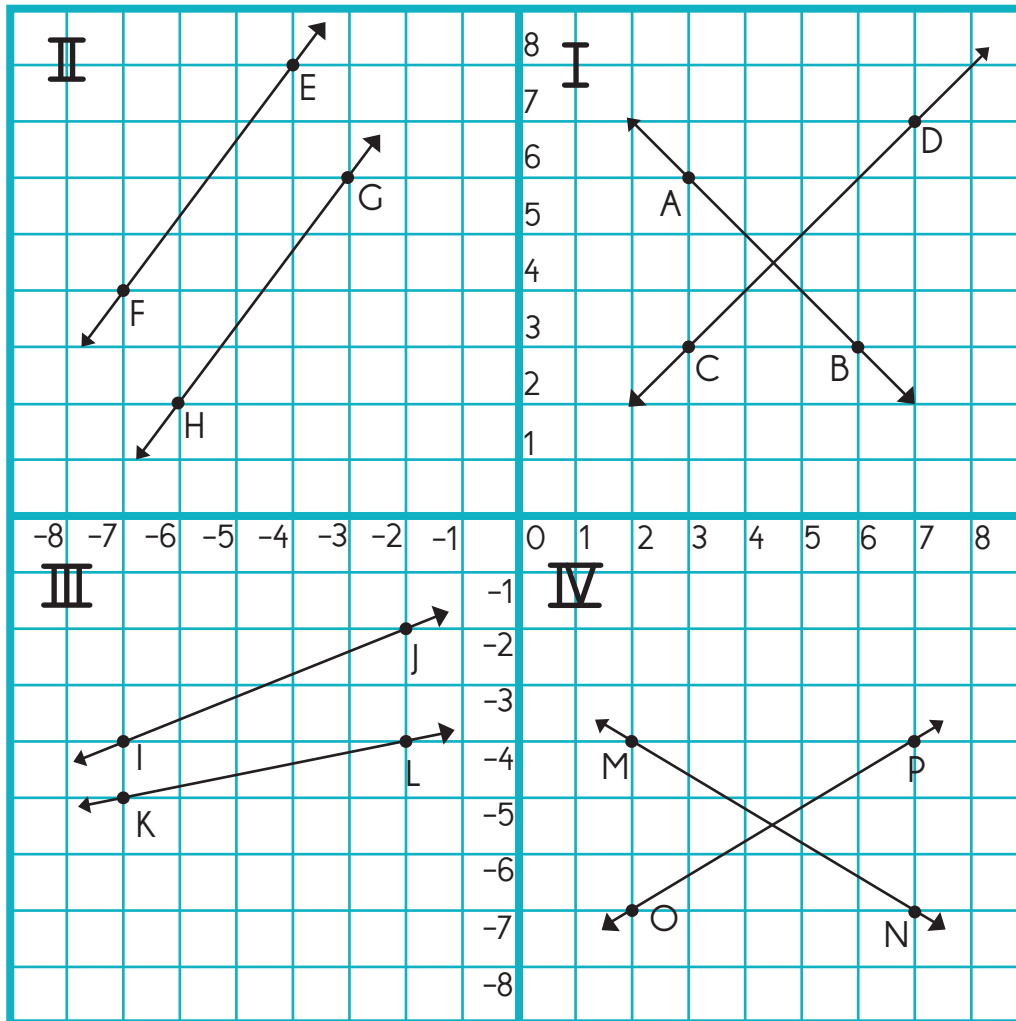


Parallel lines



Perpendicular lines

In each quadrant, determine if the two line segments are parallel, perpendicular, or neither. Explain why.



Quadrant 1: Line AB is perpendicular to Line CD because they cross at right angles

Quadrant 1: Line EF is parallel to Line GH because they will never cross

Quadrant 1: Line IJ is not parallel to Line KL because they will cross

Quadrant 1: Line MN is not perpendicular to Line OP because they don't cross at right angles