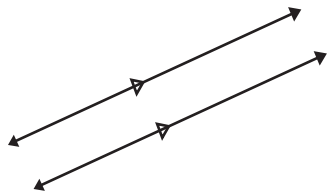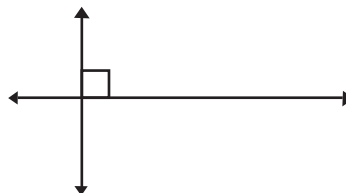# Parallel and Perpendicular Lines

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

Mikey draws a line segment from (-3, -3) to (2, 6). He then draws a line segment from (-2, -5) to (3, 4).
If he wants to draw another line segment that is parallel to those two segments, what points will he use?
What about a line that is perpendicular?

Parallel segment: _____   Perpendicular segment: _____

© ThuVienTiengAnh.Com

Parallel and Perpendicular Lines

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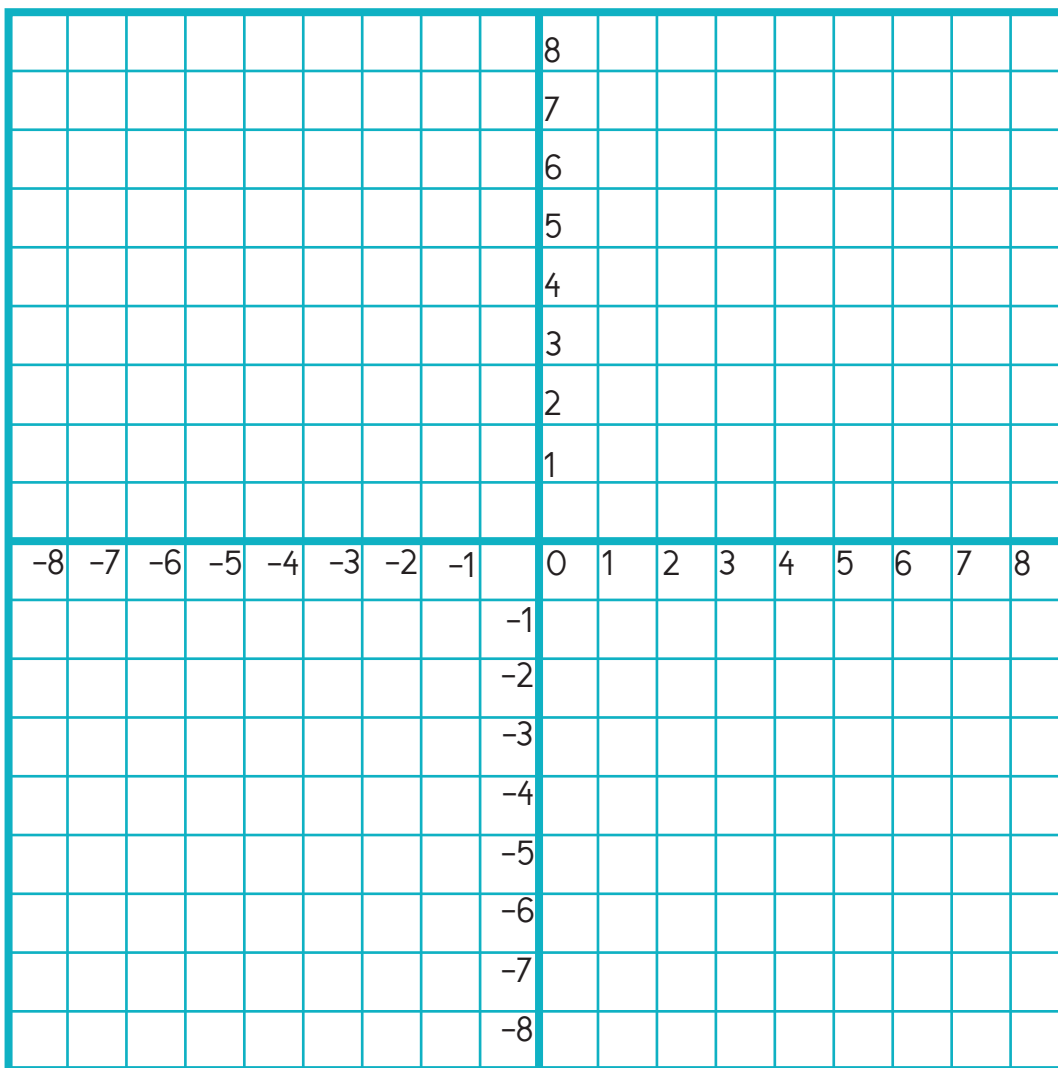Perpendicular lines are lines that intersect each other at right angles.

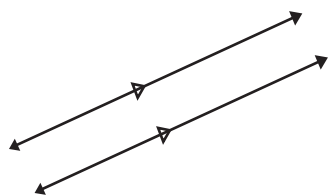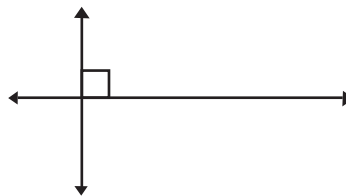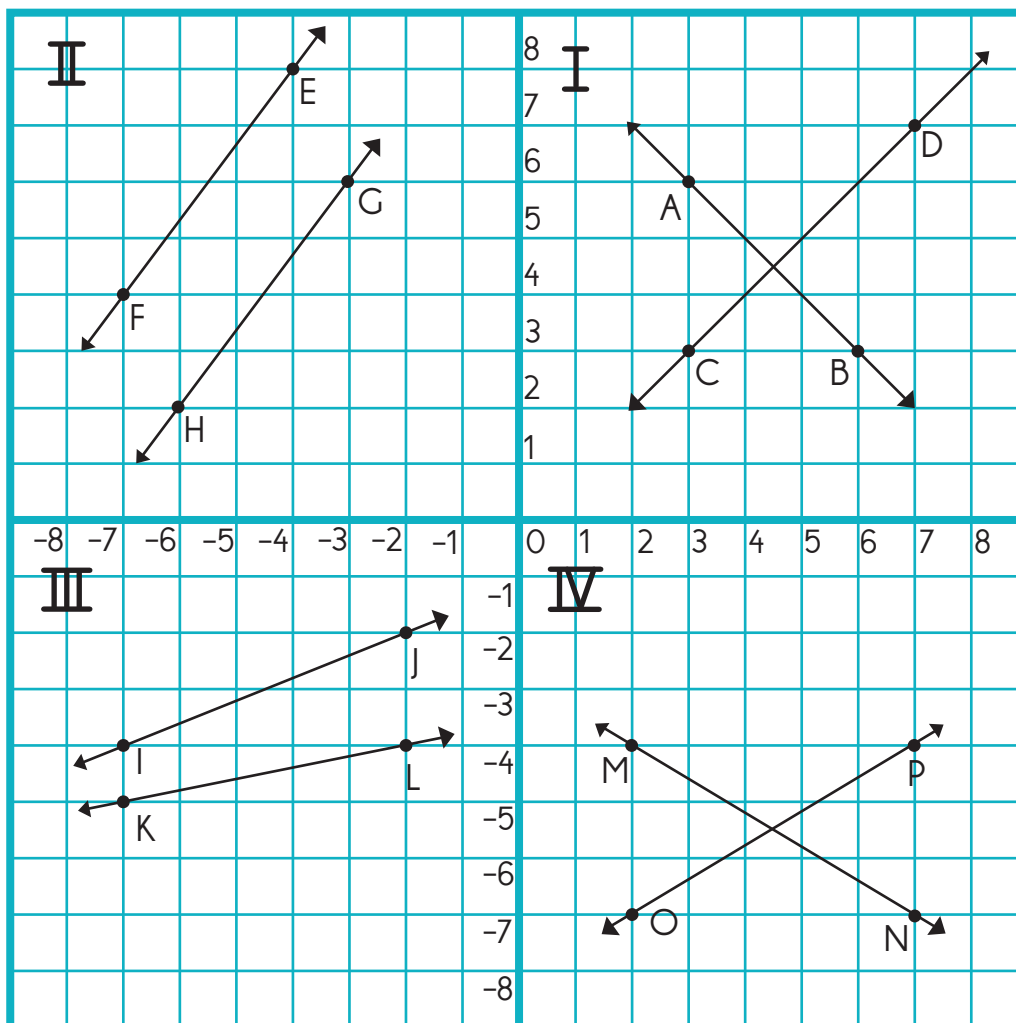Parallel lines   Perpendicular lines

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

Quadrant 1: Line AB is _____ to Line CD because _____

Quadrant 1: Line EF is _____ to Line GH because _____

Quadrant 1: Line IJ is _____ to Line KL because _____

Quadrant 1: Line MN is_____ to Line OP because _____