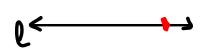
3.6 Using Perpendicular and Parallel Lines

Objective: Use properties of parallel and perpendicular lines.

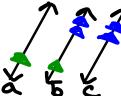
Parallel Postulate: If there is a line and a point not on the line, then there is exactly one line through the point parallel to the given line.



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Perpendicular Postulate: If there is a line and a point not on the line, then there is exactly one line through the point perpendicular to the given line.

Theorem: If two lines are parallel to the same line, then they are parallel to each other.



Theorem: In a plane, if two lines are perpendicular to the same line, then they are parallel to each other.

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