

Parallel Lines Cut by a Transversal

Parallel Lines:

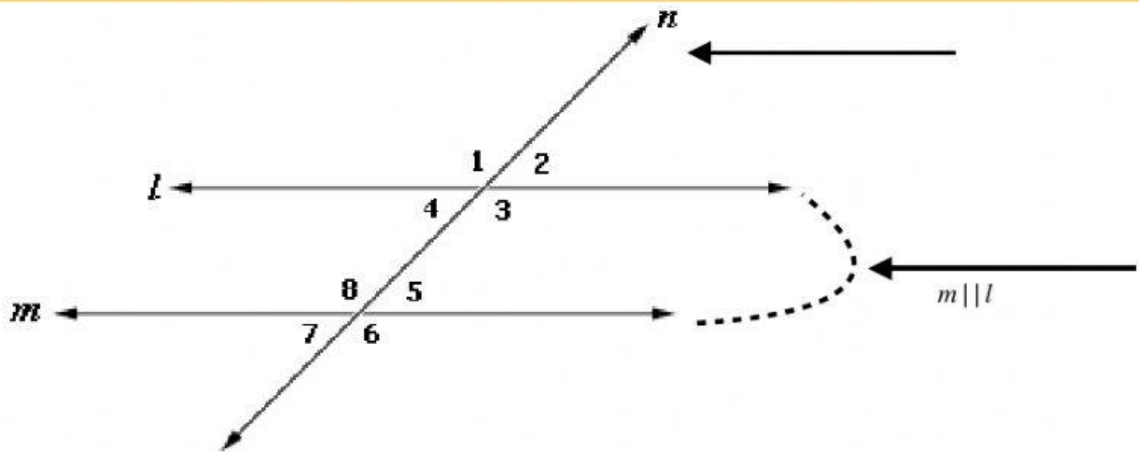
Lines that do not intersect

Transversal:

A line that intersects two or more lines at different points

Congruent Angles:

Angles that have the same measurement



Angle Relationship

Examples from Above

Relationship

Exterior Angles

$\angle _$ & $\angle _$ & $\angle _$ & $\angle _$

Interior Angles

$\angle _$ & $\angle _$ & $\angle _$ & $\angle _$

Corresponding Angles

$\angle _$ & $\angle _$	$\angle _$ & $\angle _$
$\angle _$ & $\angle _$	$\angle _$ & $\angle _$

Alternate Interior Angles

$\angle _$ & $\angle _$	$\angle _$ & $\angle _$
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Alternate Exterior Angles

$\angle _$ & $\angle _$	$\angle _$ & $\angle _$
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Same Side Interior Angles

$\angle _$ & $\angle _$	$\angle _$ & $\angle _$
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Vertical Angles

$\angle _$ & $\angle _$	$\angle _$ & $\angle _$
$\angle _$ & $\angle _$	$\angle _$ & $\angle _$