Interior angles

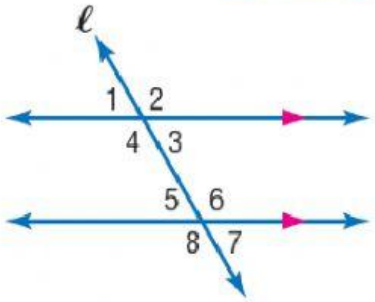
transversal

Alternate interior angles

Corresponding angles

Exterior angles

Alternate exterior angles



1. A line that intersects two or more lines is called a , and eight angles are formed.

2. lie inside the lines.

Examples: ∠3, ∠4, ∠5, ∠6

3. lie outside the lines

Examples: ∠1, ∠2, ∠7, ∠8

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4. _____ are interior angles that lie on opposite sides of the transversal. When the lines are parallel, their measures are equal.

Examples $m\angle 4 = m\angle 6;\ m\angle 3 = m\angle 5$

5. _____ are exterior angles that lie on opposite sides of the transversal. When the lines are parallel, their measures are equal.

Examples: $m\angle 1 = m\angle 7;\ m\angle 2 = m\angle 8$

6. _____ are those angles that are in the same position on the two lines in relation to the transversal. When the lines are parallel, their measures are equal.

Examples:

$m\angle 1 = m\angle 5;\ m\angle 2 = m\angle 6;\ m\angle 4 = m\angle 8;\ m\angle 3 = m\angle 7$

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