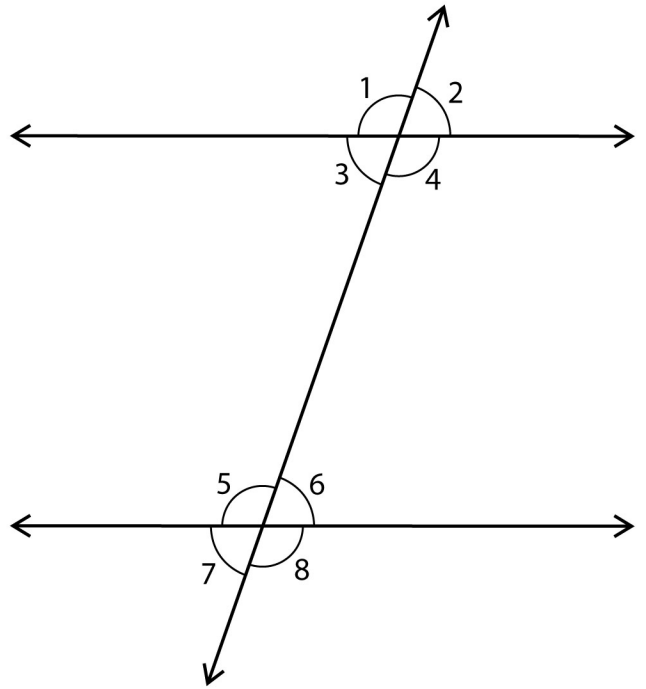


Angle Pairs Formed by a Transversal

A) Name the relation between the angles formed by the transversal in the figure below.

- $\angle 1$ and $\angle 8$ = _____
- $\angle 4$ and $\angle 6$ = _____
- $\angle 4$ and $\angle 5$ = _____
- $\angle 2$ and $\angle 6$ = _____
- $\angle 3$ and $\angle 5$ = _____
- $\angle 3$ and $\angle 6$ = _____
- $\angle 1$ and $\angle 5$ = _____
- $\angle 2$ and $\angle 7$ = _____



B) Use your knowledge of angle pairs to find the measures of the specified angles in the following.

<p>①</p> <p>$\angle x =$ _____ $\angle y =$ _____</p>	<p>②</p> <p>$\angle x =$ _____ $\angle y =$ _____</p>
<p>③</p> <p>$\angle x =$ _____ $\angle y =$ _____</p>	<p>④</p> <p>$\angle x =$ _____ $\angle y =$ _____</p>

Angle Pairs Formed by a Transversal

A) Name the relation between the angles formed by the transversal in the figure below. Answers

$\angle 1$ and $\angle 8$ = Alternate exterior angles

$\angle 4$ and $\angle 6$ = Consecutive interior angles

$\angle 4$ and $\angle 5$ = Alternate interior angles

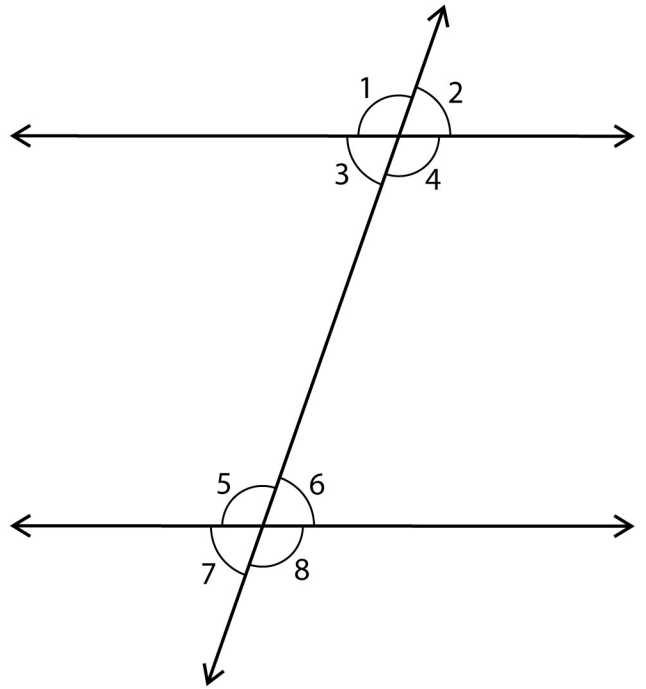
$\angle 2$ and $\angle 6$ = Corresponding angles

$\angle 3$ and $\angle 5$ = Consecutive interior angles

$\angle 3$ and $\angle 6$ = Alternate interior angles

$\angle 1$ and $\angle 5$ = Corresponding angles

$\angle 2$ and $\angle 7$ = Alternate exterior angles



B) Use your knowledge of angle pairs to find the measures of the specified angles in the following.

<p>①</p> <p>$\angle x = \underline{30^\circ}$ $\angle y = \underline{150^\circ}$</p>	<p>②</p> <p>$\angle x = \underline{53^\circ}$ $\angle y = \underline{53^\circ}$</p>
<p>③</p> <p>$\angle x = \underline{64^\circ}$ $\angle y = \underline{116^\circ}$</p>	<p>④</p> <p>$\angle x = \underline{73^\circ}$ $\angle y = \underline{107^\circ}$</p>