

Name: _____ Date: _____

Vertical and Corresponding Angles

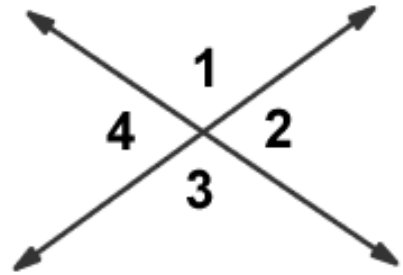
Vertical Angles:

Example:

Vertical Angles: Intersecting lines form two pairs of vertical angles.

$\angle 1$ and $\angle 3$ are vertical

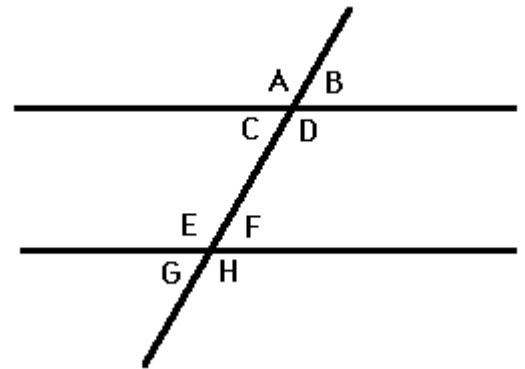
$\angle 2$ and $\angle 4$ are vertical



Corresponding Angles: Example:

Corresponding Angles: Angles that are in the same relative position when one line crosses two lines.

$\angle A$ and $\angle E$ are corresponding



Vertical Angles and Properties of Parallel Lines

1. Vertical Angles are congruent.

$$\angle A \cong \angle D$$

2. When two parallel lines are intersected by a third line, the corresponding angles are congruent.

If the lines are NOT parallel, the corresponding angles are NOT congruent.