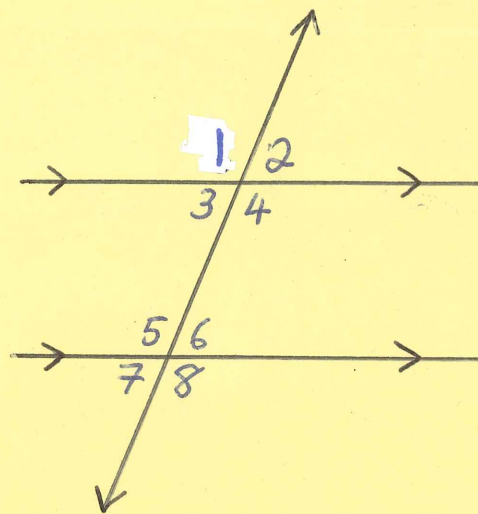
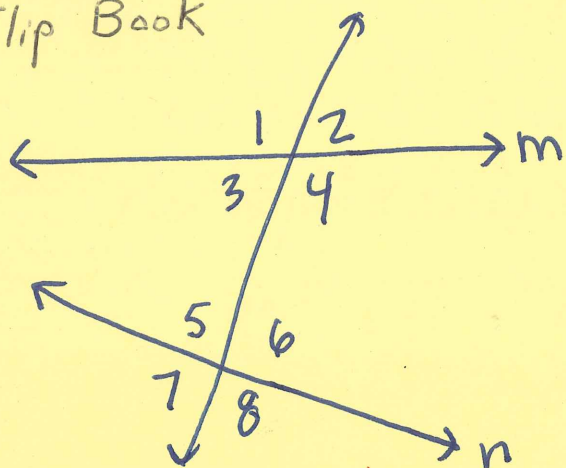


Lines and Transversals Flip Book



- ① Corresponding Angles
- ② Alternate Interior Angles
- ③ Alternate Exterior Angles
- ④ * Consecutive (same side) Interior Angles
- ⑤ * Consecutive (same side) Exterior Angles

Angles that have
Corresponding locations

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

Corresponding angles
are congruent

$$m\angle 1 = m\angle 5$$

$$m\angle 3 = m\angle 7$$

$$m\angle 2 = m\angle 6$$

$$m\angle 4 = m\angle 8$$

① Corresponding Angles

② Alternate Interior Angles

③ Alternate Exterior Angles

④ * Consecutive (same side) Interior Angles

⑤ * Consecutive (same side) Exterior Angles

angles on opposite sides
of the transversal and
located in the interior

$\angle 3$ and $\angle 6$

$\angle 4$ and $\angle 5$

Alt. Interior Angles
are Congruent

$$m\angle 3 = m\angle 6$$

$$m\angle 4 = m\angle 5$$

- ② Alternate Interior Angles.
- ③ Alternate Exterior Angles
- ④ * Consecutive (same side) Interior Angles
- ⑤ * Consecutive (same side) Exterior Angles

angles on the opposite side of the transversal and located outside the 2 lines (exterior region)

$\angle 1$ and $\angle 8$

$\angle 2$ and $\angle 7$

Alt. Exterior Angles are congruent

$$m\angle 1 = m\angle 8$$

$$m\angle 2 = m\angle 7$$

③ Alternate Exterior Angles

④ * Consecutive (same side) Interior Angles

⑤ * Consecutive (same side) Exterior Angles

angles on the same side
of the transversal and
located in the interior
region.

$\angle 3$ and $\angle 5$

$\angle 4$ and $\angle 6$

Consecutive Interior
Angles are supplementary

$$m\angle 3 + m\angle 5 = 180^\circ$$

$$m\angle 4 + m\angle 6 = 180^\circ$$

④ * Consecutive (same side) Interior Angles

⑤ * Consecutive (same side) Exterior Angles

angles on the same side
of the transversal
and located in the
exterior region

$\angle 1$ and $\angle 7$

$\angle 2$ and $\angle 8$

Consecutive Exterior Angles
are supplementary

$$m\angle 1 + m\angle 7 = 180^\circ$$

$$m\angle 2 + m\angle 8 = 180^\circ$$

⑤ * Consecutive (same side) Exterior Angles