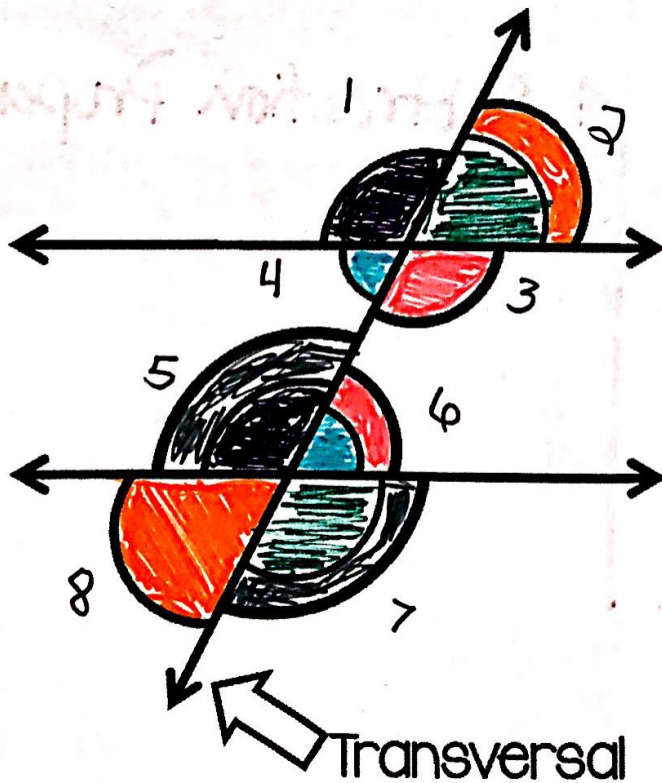


PARALLEL LINES CUT BY A TRANSVERSAL

<p>Alternate Interior Angles</p> <p>$\angle 1 \cong \angle 2$</p>	<p>Alternate Exterior Angles</p> <p>$\angle 1 \cong \angle 2$</p>
<p>Consecutive Interior Angles (Same-Side)</p> <p>$\angle 1 + \angle 2 = 180^\circ$</p>	<p>Consecutive Exterior Angles (Same-Side)</p> <p>$\angle 1 + \angle 2 = 180^\circ$</p>
<p>Corresponding Angles</p> <p>$\angle 1 \cong \angle 2$</p>	



- corresponding (=) $\angle 1 \cong \angle 5$
- alternate exterior (=) $\angle 2 \cong \angle 8$
- vertical (=) $\angle 5 \cong \angle 7$
- same-side interior (= 180) $\angle 3 + \angle 6$
- alternate interior (=) $\angle 4 \cong \angle 6$
- same side exterior (= 180) $\angle 2 + \angle 7$