
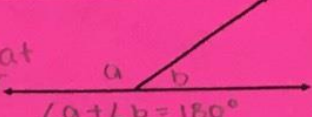
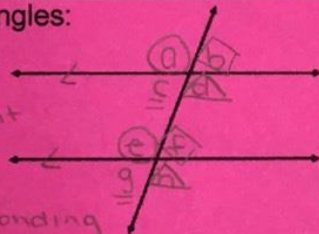
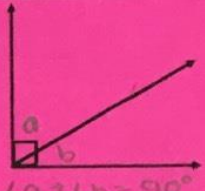
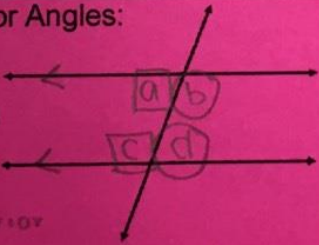
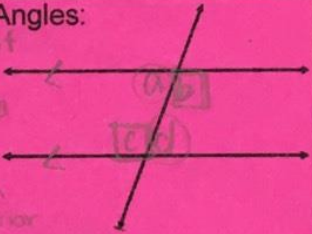


Congruent: same shape, same size

Name: _____

Angle Relationships Toolkit

<p>Vertical Angles:</p> <p>When 2 lines intersect they are the angle across from each other are EQUAL</p>  <p>$a = c$ $b = d$</p>	<p>Straight Angles:</p> <p>2 angles that add together to make a line. Supplementary equals 180°</p>  <p>$\angle a + \angle b = 180^\circ$</p>
<p>Corresponding Angles:</p> <p>Angles in the same position at two different intersections. IF parallel, then corresponding angles are equal.</p>  <p>$a = e$ $d = h$ $b = f$ $c = g$</p>	<p>Right Angles:</p> <p>2 angles that add together to make a right angle. Complementary equals 90°</p>  <p>$\angle a + \angle b = 90^\circ$</p>
<p>Same-Side Interior Angles:</p> <p>Same side of the transversal inside parallel lines. IF parallel, then same-side interior angles are supp.</p>  <p>$a + c = 180^\circ$ $b + d = 180^\circ$</p>	<p>Alternate Interior Angles:</p> <p>opposite sides of the transversal and inside parallel lines. IF parallel, then alternate interior angles are congruent.</p>  <p>$a = d$ $c = b$</p>
<p>Triangle Angle Sum Theorem: $a + b + c = 180^\circ$</p> 