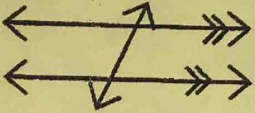
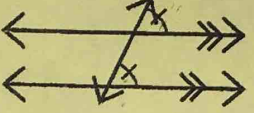
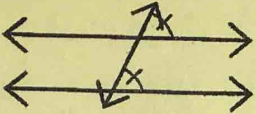
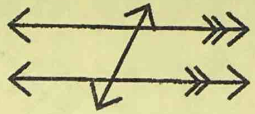
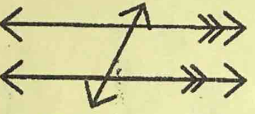
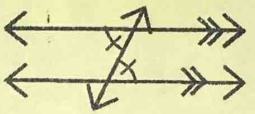
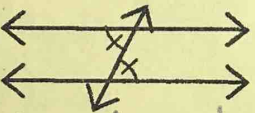
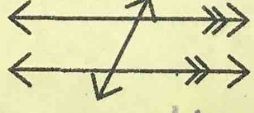
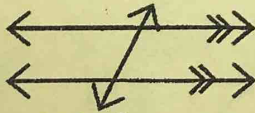
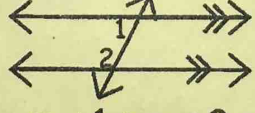
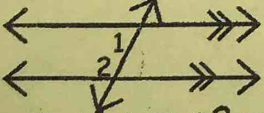
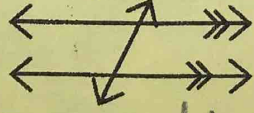


## Angle Justifications

IF...	THEN	Justification
 <p>IF <u>parallel lines</u> cut by a transversal</p>	 <p>corresponding <math>\angle</math>s are <math>\cong</math></p>	<p><b>Corresponding <math>\angle</math> Thm</b></p>
 <p>IF corresponding <math>\angle</math>s are <math>\cong</math></p>	 <p>lines crossed by the transversal are <math>\parallel</math></p>	<p><b>Converse of Corresponding <math>\angle</math> Thm</b></p>
 <p>IF <u>parallel lines</u> cut by a transversal</p>	 <p>Alternate Interior <math>\angle</math>s are <math>\cong</math></p>	<p><b>Alternate Interior <math>\angle</math> Thm</b></p>
 <p>IF Alternate Interior <math>\angle</math>s <math>\cong</math></p>	 <p>lines crossed by the transversal are <math>\parallel</math></p>	<p><b>Converse of Alternate Interior <math>\angle</math> Thm</b></p>
 <p>IF <u>parallel lines</u> cut by a transversal</p>	 <p><math>m\angle 1 + m\angle 2 = 180^\circ</math> Same Side interior <math>\angle</math>s are supplementary</p>	<p><b>Same Side Interior <math>\angle</math> Thm</b></p>
 <p>IF same side interior <math>\angle</math>s are supplementary</p>	 <p>lines crossed by the transversal are <math>\parallel</math></p>	<p><b>Converse of Same Side Interior <math>\angle</math> Thm</b></p>