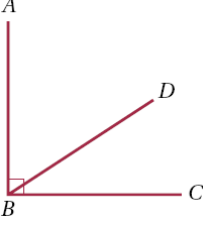
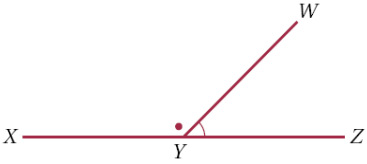
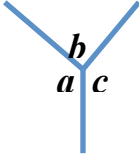
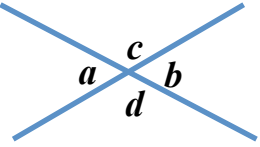
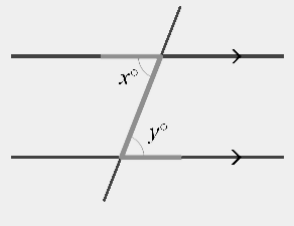
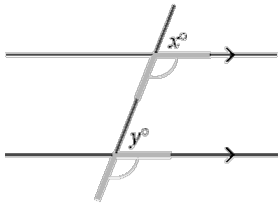
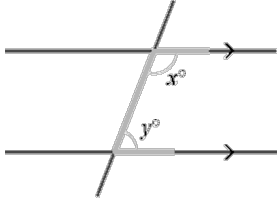


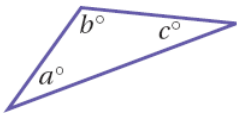
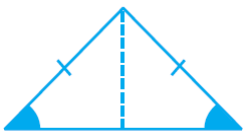
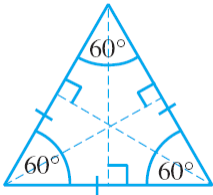
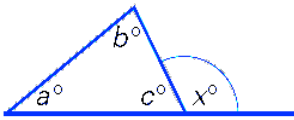
# Angle Reasons

Name \_\_\_\_\_

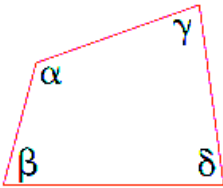
Date \_\_\_\_\_

Diagram	Property	Reason
	$\angle ABD + \angle DBC = 90^\circ$	<ul style="list-style-type: none"> <li>• _____ angle equals <math>90^\circ</math></li> </ul>
	$\angle XYW + \angle WYZ = 180^\circ$	<ul style="list-style-type: none"> <li>• _____ angle equals <math>180^\circ</math></li> </ul>
	$a + b + c = 360^\circ$	<ul style="list-style-type: none"> <li>• angles at a _____ add to <math>360^\circ</math> or _____ equals <math>360^\circ</math></li> </ul>
	$a = b$ and $c = d$	<ul style="list-style-type: none"> <li>• _____ opposite angles are _____</li> </ul>
<b>Parallel Lines</b>		
	$x = y$	<ul style="list-style-type: none"> <li>• _____ angles are equal</li> </ul>
	$x = y$	<ul style="list-style-type: none"> <li>• _____ angles are equal</li> </ul>
	$x + y = 180^\circ$	<ul style="list-style-type: none"> <li>• _____ angles _____ up to <math>180^\circ</math></li> </ul>

### Triangles

	$a + b + c = 180^\circ$	<ul style="list-style-type: none"> <li>• Angle _____ of a triangle is <math>180^\circ</math></li> </ul>
		<ul style="list-style-type: none"> <li>• _____ angles of Isosceles triangle are equal</li> <li>• Two _____ of an Isosceles triangle are equal</li> </ul>
		<ul style="list-style-type: none"> <li>• All angles in an _____ triangle are _____</li> <li>• All sides in an _____ triangle are equal</li> </ul>
	$x = a + b$	<ul style="list-style-type: none"> <li>• _____ angle of a triangle equals the sum of the _____ interior angles</li> </ul>

### Quadrilaterals

	$\alpha + \beta + \gamma + \delta = 360^\circ$	<ul style="list-style-type: none"> <li>• _____ sum of a quadrilateral is <math>360^\circ</math></li> </ul>
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