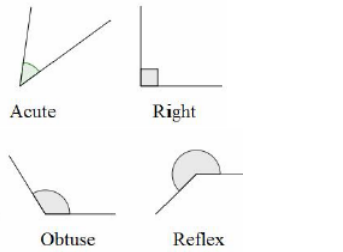
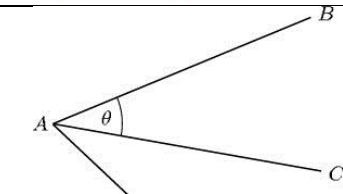
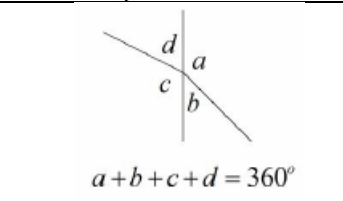
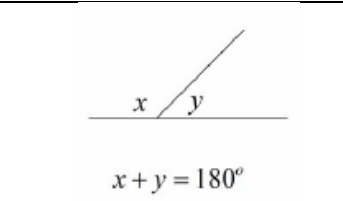
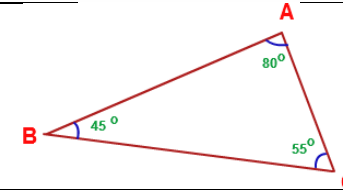
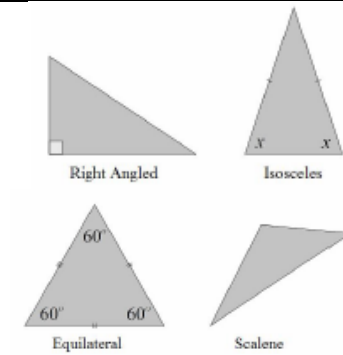
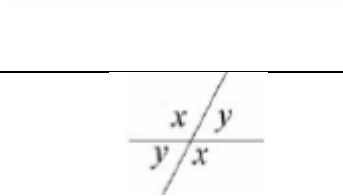
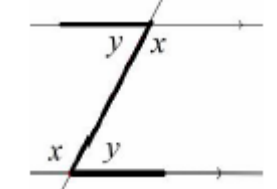
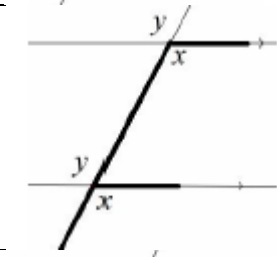
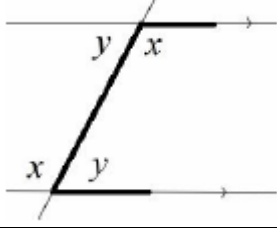
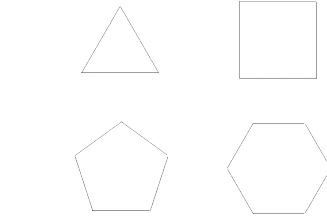
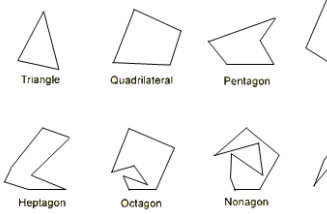
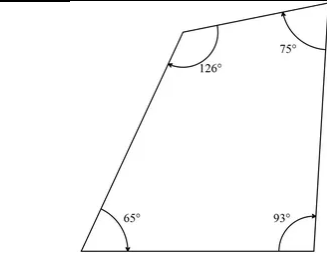


Types of Angles	<p><b>Acute angles</b> are less than 90°.</p> <p><b>Right angles</b> are exactly 90°.</p> <p><b>Obtuse angles</b> are greater than 90° but less than 180°.</p> <p><b>Reflex angles</b> are greater than 180° but less than 360°.</p>	
Angle Notation	<p>Can use <b>one lower-case</b> letters, eg. <math>\theta</math> or <math>x</math></p> <p>Can use <b>three upper-case</b> letters, eg. <math>BAC</math></p>	
Angles at a Point	<p><b>Angles around a point add up to 360°.</b></p>	 $a + b + c + d = 360^\circ$
Angles on a Straight Line	<p><b>Angles around a point on a straight line add up to 180°.</b></p>	 $x + y = 180^\circ$
Angles in a Triangle	<p><b>Angles in a triangle add up to 180°.</b></p>	
Types of Triangles	<p><b>Right Angle</b> Triangles have a 90° angle in.</p> <p><b>Isosceles</b> Triangles have <b>2 equal sides</b> and <b>2 equal base angles</b>.</p> <p><b>Equilateral</b> Triangles have <b>3 equal sides</b> and <b>3 equal angles (60°)</b>.</p> <p><b>Scalene</b> Triangles have <b>different sides</b> and <b>different angles</b>.</p> <p><b>Base angles in an isosceles triangle are equal.</b></p>	
Opposite Angles	<p><b>Vertically opposite angles are equal.</b></p>	

Alternate Angles	<p><b>Alternate angles are equal.</b></p> <p>They look like Z angles, but never say this in the exam.</p>	
Corresponding Angles	<p><b>Corresponding angles are equal.</b></p> <p>They look like F angles, but never say this in the exam.</p>	
Co-Interior Angles	<p><b>Co-Interior angles add up to 180°.</b></p> <p>They look like C angles, but never say this in the exam.</p>	

Polygon	<p>A <b>2D</b> shape with <b>only straight edges</b>.</p>	<p>Rectangle, Hexagon, Decagon, Kite etc.</p>
Regular	<p>A shape is regular if all the <b>sides</b> and all the <b>angles</b> are <b>equal</b>.</p>	
Names of Polygons	<p><b>3-sided = Triangle</b></p> <p><b>4-sided = Quadrilateral</b></p> <p><b>5-sided = Pentagon</b></p> <p><b>6-sided = Hexagon</b></p> <p><b>7-sided = Heptagon</b></p> <p><b>8-sided = Octagon</b></p> <p><b>9-sided = Nonagon</b></p> <p><b>10-sided = Decagon</b></p>	
Angles in a Quadrilateral	<p><b>Angles in a quadrilateral add up to 360°.</b></p>	
Sum of Interior Angles	<p><math>(n - 2) \times 180</math></p> <p>where n is the number of sides.</p>	<p>Sum of Interior Angles in a Decagon = <math>(10 - 2) \times 180 = 1440^\circ</math></p>
Size of Interior Angle in a Regular Polygon	<p><math>\frac{(n - 2) \times 180}{n}</math></p> <p>You can also use the formula:</p> <p><b>180</b></p> <p>– <b>Size of Exterior Angle</b></p>	<p>Size of Interior Angle in a Regular Pentagon =</p> $\frac{(5 - 2) \times 180}{5} = 108^\circ$
Size of Exterior Angle in a Regular Polygon	<p><math>\frac{360}{n}</math></p> <p>You can also use the formula:</p> <p><b>180</b></p> <p>– <b>Size of Interior Angle</b></p>	<p>Size of Exterior Angle in a Regular Octagon =</p> $\frac{360}{8} = 45^\circ$

