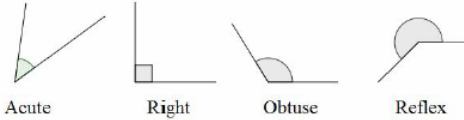
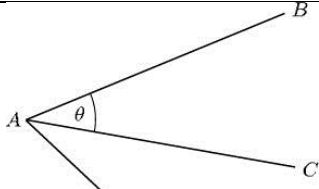
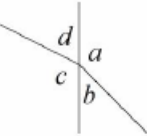
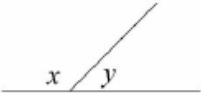
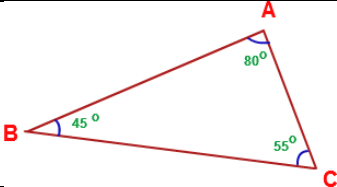
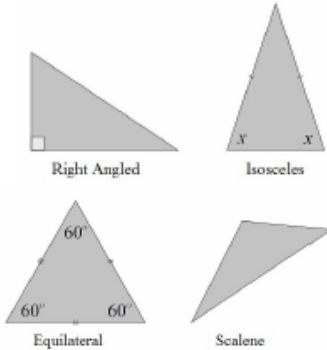
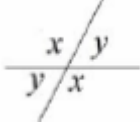
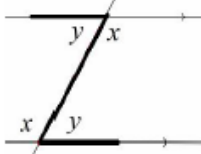
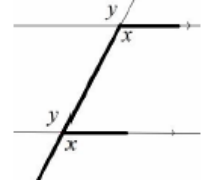
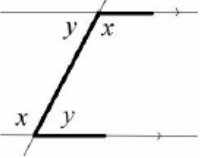
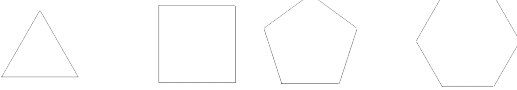
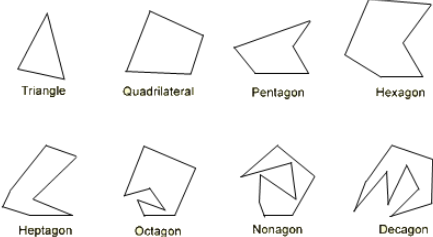
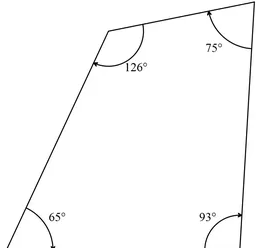


Types of Angles	<p>Acute angles are less than 90°.</p> <p>Right angles are exactly 90°.</p> <p>Obtuse angles are greater than 90° but less than 180°.</p> <p>Reflex angles are greater than 180° but less than 360°.</p>	
Angle Notation	<p>Can use one lower-case letters, eg. θ or x</p> <p>Can use three upper-case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

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

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

