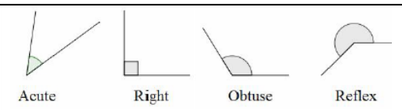
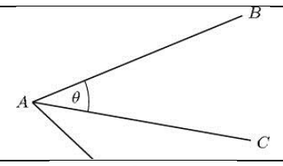
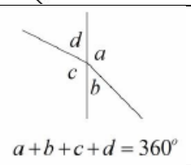
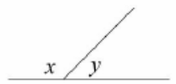
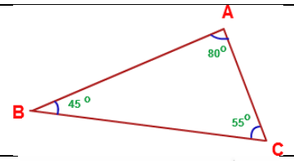
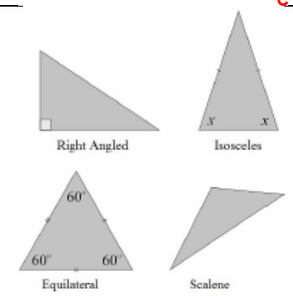
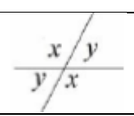
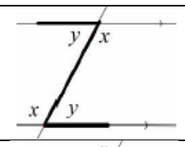
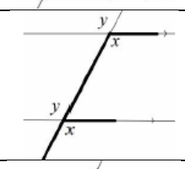
Basic Angle Facts

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

Parallel Lines

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