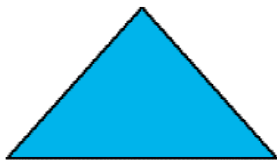


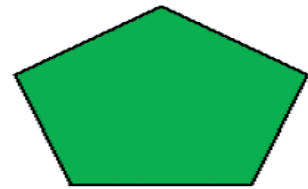
Polygons



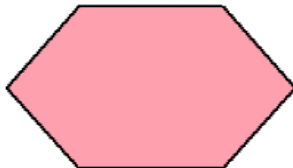
Equilateral
triangle



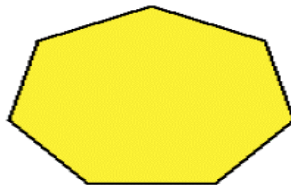
Square



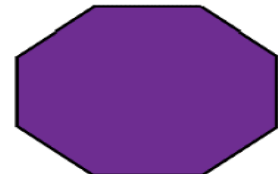
Regular
Pentagon



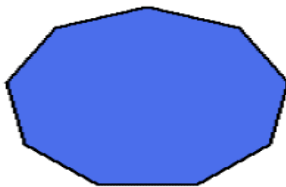
Regular
Hexagon



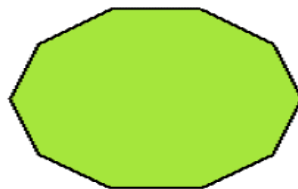
Regular
Heptagon



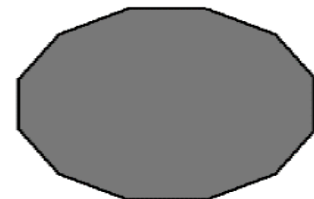
Regular
Octagon



Regular
Nonagon



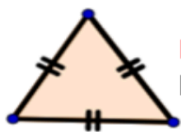
Regular
Decagon



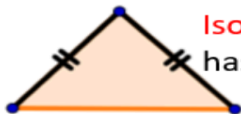
Regular
Dodecagon

Classify Triangles

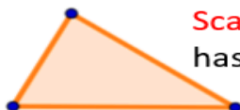
By Side



Equilateral Triangle
has three equal sides

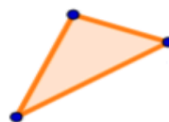


Isosceles Triangle
has two equal sides



Scalene Triangle
has no equal sides

By Angle



Acute triangle
has three angles $< 90^\circ$

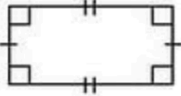
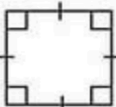
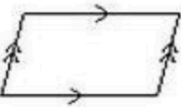
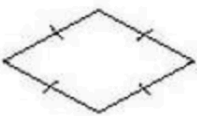
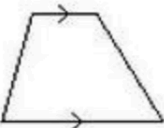
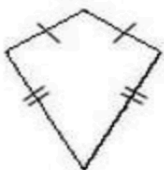


Right triangle
has one angle $= 90^\circ$

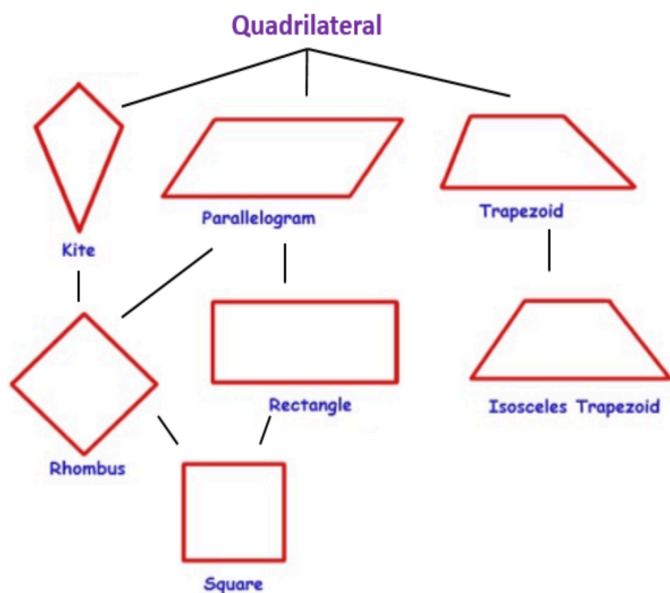


Obtuse triangle
has one angle $> 90^\circ$

Quadrilaterals

<i>Quadrilateral</i>	<i>Properties</i>	
<i>Rectangle</i>	4 right angles and opposite sides equal	
<i>Square</i>	4 right angles and 4 equal sides	
<i>Parallelogram</i>	Two pairs of parallel sides and opposite sides equal	
<i>Rhombus</i>	Parallelogram with 4 equal sides	
<i>Trapezoid</i>	Two sides are parallel	
<i>Kite</i>	Two pairs of adjacent sides of the same length	

Types and Hierarchy of Quadrilaterals



- A rhombus is always a quadrilateral, a kite, a parallelogram, and a square
- A parallelogram is always a quadrilateral, a rectangle, a rhombus, and a square
- A trapezoid is always a quadrilateral
- A square is always a quadrilateral, a parallelogram, a rhombus, and a rectangle
- A quadrilateral can be any of those shapes listed