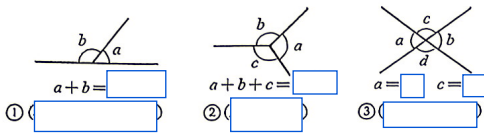


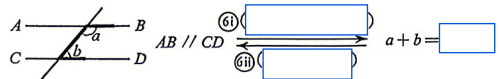
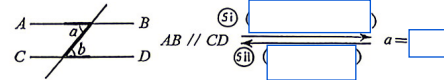
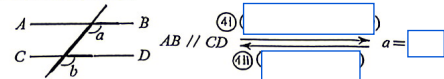
Abbreviations in Deductive Geometry (Junior Form)

Angles and Lines

Angles Intersecting at a Point

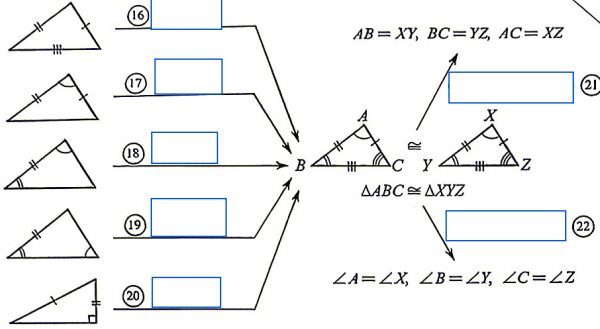


Parallel Lines

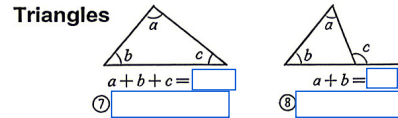


Triangles

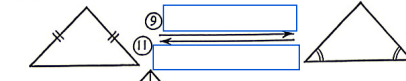
Congruent Triangles



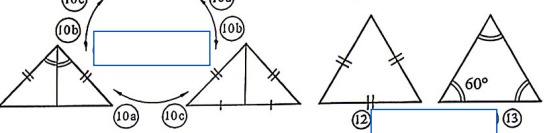
Triangles



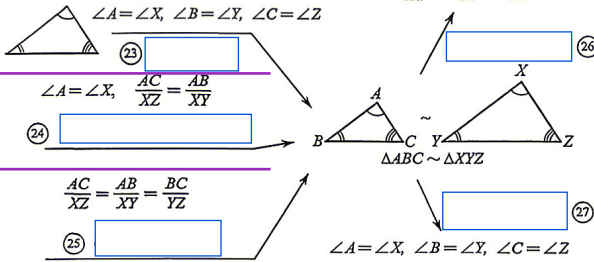
Isosceles Triangles



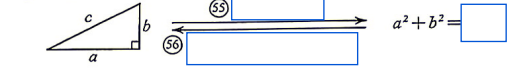
Equilateral Triangles



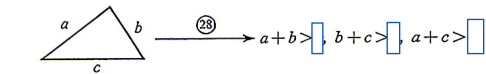
Similar Triangles



Pythagoras' Theorem

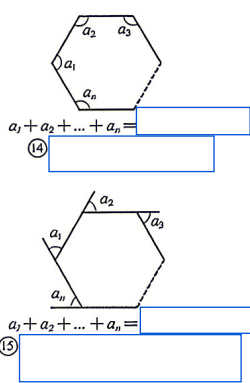


Triangle Inequality

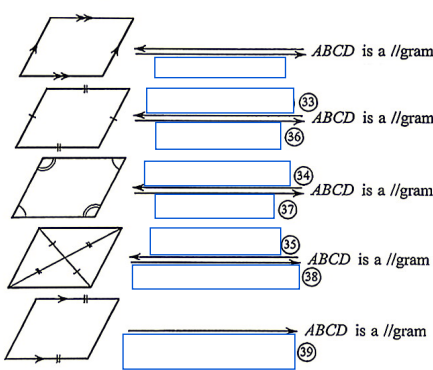


Polygons

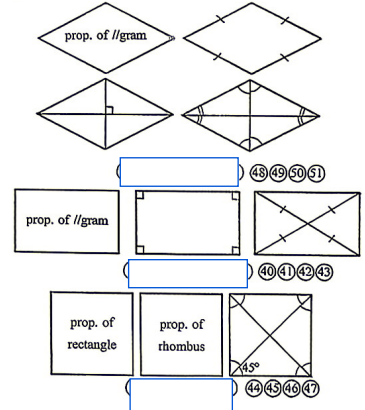
Polygons



Parallelograms

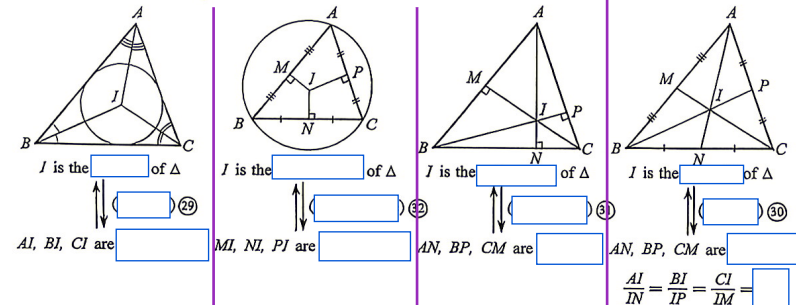


Special Quadrilaterals

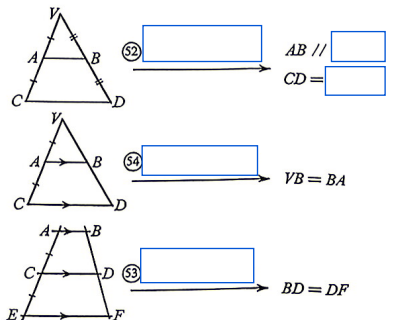


Others

Four Centres of Triangles

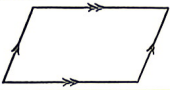
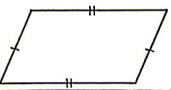

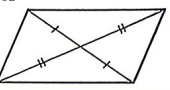


Mid - Pt and Intercept Theorems


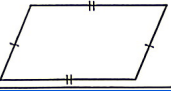
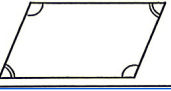
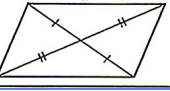
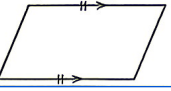


Properties of Quadrilaterals

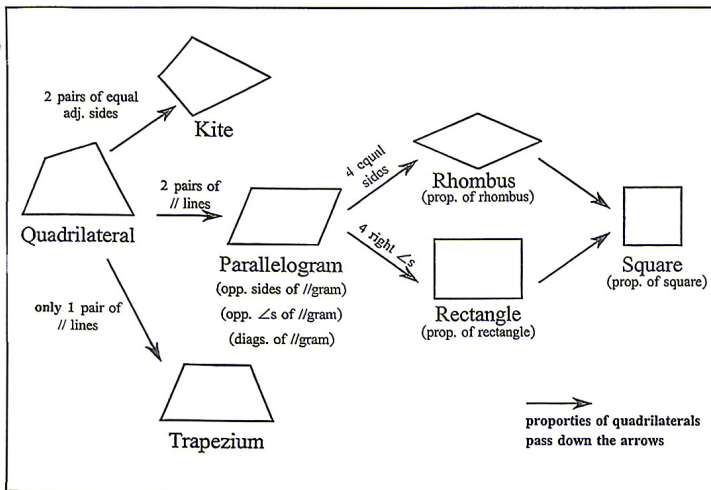
Parallelogram

Definition	A quadrilateral with two pairs of parallel opposite sides			
Properties	Opposite sides are parallel 	Opposite sides are equal 	Opposite angles are equal 	Diagonals bisect each other 
Abbreviations	-			

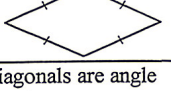
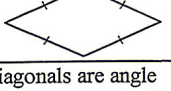
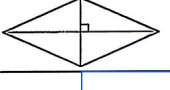
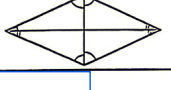
Conditions for Proving Parallelogram

Conditions	Opposite sides are parallel 	Opposite sides are equal 	Opposite angles are equal 	The diagonals divide each other equally 	One pair of opposite sides equal and parallel 
Abbreviations	-				

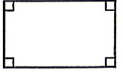

Types of Quadrilaterals




Rhombus

Definition	A parallelogram with four equal sides	
Properties	All properties of a parallelogram 	Four sides are equal 
	Diagonals are perpendicular to each other 	Diagonals are angle bisectors 
Abbreviations	-	

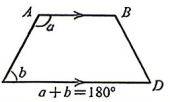
Rectangle

Definition	A parallelogram with four equal interior angles		
Properties	All properties of a parallelogram	Four right interior angles 	Diagonals are equal in length 
Abbreviations	-		

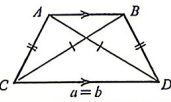
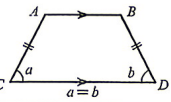
Square

A parallelogram with four equal sides and interior angles		
All properties of a rectangle	All properties of a rhombus	Angles between a diagonal and a side are 45° 
-		

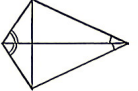
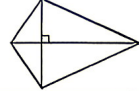
Trapezium

Definition	A quadrilateral with only 1 pair of parallel opposite sides
Properties	Interior angles are supplementary 
Abbreviations	-

Isosceles Trapezium

A trapezium with 2 opposite non-parallel sides equal	
Diagonals are equal in length 	Base angles are equal 
- **	

Kite

A quadrilateral with two pairs of equal adjacent sides	
One of the diagonals is an angle bisector 	Two diagonals are perpendicular to each other 
- **	

** There are no specific abbreviations for these properties. You may apply them when finding the values of some other quantities. DO NOT use them directly if the question asked you to PROVE these results.