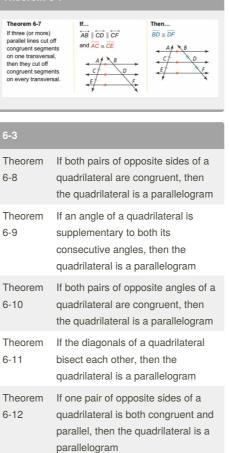
Cheatography

Geo Final Cheat Sheet by joseph54 via cheatography.com/28062/cs/8269/

6-1		
Polygon Angle Sum Theorum	the sum of the measures of the interior angles of an n-gon is (n-2)180 each vertex, is 260	
Corollary to the Polygo Angle Sum theorem	n angle of a regular ngon is	
Polygon Exterior Angle Sum theorem	The sum of the measures of the exterior angles of a polygon, one at each vertex, is 360	
6-2		
Parallelo gram	quadrilateral with both pairs of opposite sides parallel	
In a quadrilateral, opposite sides do not share a vertex and opposite angles do not share a side		
Theorem 6-3	If a quadrilateral is a parallelogram, then its opposite sides are congruent	
Theorem 6-4	If a quadrilateral is a parallelogram, then its consecutive angles are supplementary	
Theorem 6-5	If a quadrilateral is a parallelogram, then its opposite angles are congruent	
Theorem 6-6	If a quadrilateral is a parallelogram, then its diagonals bisect each other	

Theorem 6-



6-4	
Rhombus	parallelogram with 4 congruent sides
Square	parallelogram with 4 congruent sides and 4 right angles
Rectangle	parallelogram with 4 right angles
Theorem 6-13	If a parallelogram is a rhombus, then its diagonals are perpendicular
Theorem 6-14	If a parallelogram is a rhombus, then each diagonal bisects a pair of opposite angles
Theorem 6-15	If a parallelogram is a rectangle, then its diagonals are congruent
6-5	
Theorem 6-16	If the diagonals of a parallelogram are perpendicular, then the parallelogram is a rhombus
Theorem 6-17	If one diagonal of a parallelogram bisects a pair of opposite angles then the parallelogram is a

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rhombus

Theorem

6-18

If the diagonals of a parallelogram

are congruent, then the parallelogram is a rectangle