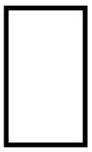
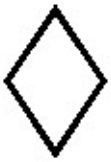
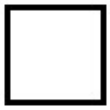
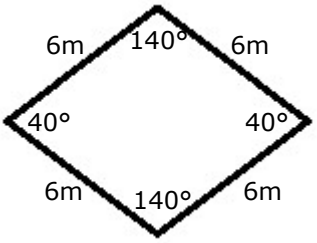
Classify Quadrilaterals

Polygons that have 4 sides and 4 angles are quadrilaterals. Quadrilaterals can be classified by looking at the number of parallel sides, the lengths of their sides, and the measures of their angles.

	Trapezoid	Parallelogram	Rectangle	Rhombus	Square
Number of parallel sides	1 pair	2 pairs	2 pairs	2 pairs	2 pairs
Number of congruent sides	0 pair	2 pairs	2 pairs	all 4 sides	all 4 sides
Number of Congruent angles	0 pair	2 pairs	all 4 angles	2 pairs	all 4 angles
Examples					

To classify the quadrilateral at the right, identify the following characteristics.



Number of parallel sides: 2 pairs

Number of congruent sides: all 4 sides

Number of congruent angles: 2 pairs

Examples:

A- If Aisha needs to draw a square, what will be the number of the parallel sides, congruent sides and congruent angles?

Number of parallel sides: **2 pairs**
Number of congruent sides: **4 sides**
Number of congruent angles: **4 angles**