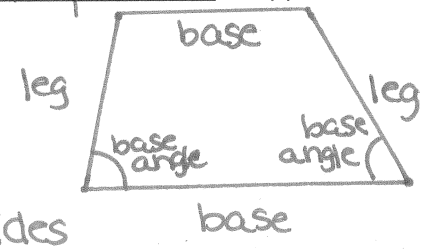
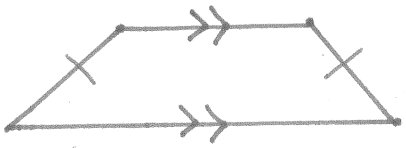
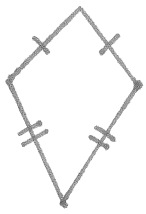
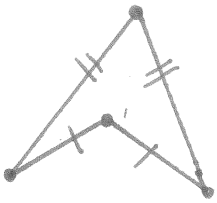
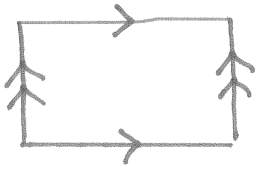
H.Geometry - Chapter 1 – Definition Sheet

Section 1.6	
Trapezoid	A quadrilateral is a trapezoid IFF at least one pair of opposite sides are parallel. **Parts of a trapezoid:** **Bases:** the parallel sides **Legs:** the 2 non-parallel sides **Base Angles:** A pair of angles that share a base as a common side. 
Isosceles Trapezoid (not in book)	A trapezoid is an isosceles trapezoid IFF its' legs (the non-parallel sides) are congruent. 
Kite	A quadrilateral is a kite IFF it has 2 distinct pairs of congruent consecutive sides.  
Parallelogram	A quadrilateral is a parallelogram IFF both pairs of opposite sides are parallel. NOTE: A parallelogram is one type of trapezoid.  

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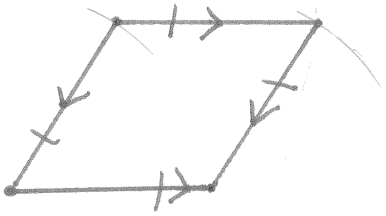
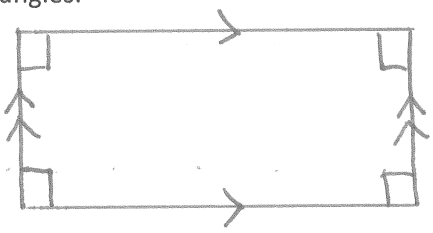
Rhombus	A parallelogram is a rhombus IFF it has four congruent sides (ie. equilateral) 
Rectangle	A parallelogram is a rectangle IFF it has four congruent angles. (ie. equiangular) NOTE: Four angles are right angles. 
Square	A parallelogram is a square IFF it has four congruent sides and four congruent angles. (equiangular + equilateral) NOTE: A square is both a rhombus and rectangle.