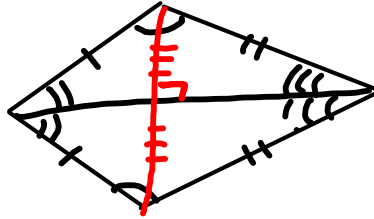
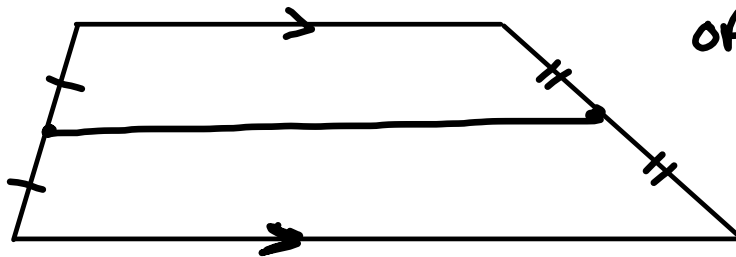


A Kite is a quadrilateral with two pairs of consecutive congruent sides (but the pairs are not congruent to each other)



- one diagonal form 2 $\cong \triangle$'s (SSS)
- one pair of opp. \angle 's \cong (CPCTC)
- one diagonal bisects the opp \angle 's (CPCTC)
- one of the diagonals bisects the other.
- diagonals are \perp .

A trapezoid is... a quadrilateral with exactly 1 pair of \parallel sides.



length of midsegment = $\frac{1}{2}(b_1 + b_2)$

\parallel sides: bases
non- \parallel sides: legs

An Isosceles Trapezoid is a quadrilateral in which one (and only one) pair of opposite sides are parallel, and the other pair of sides is congruent.

