

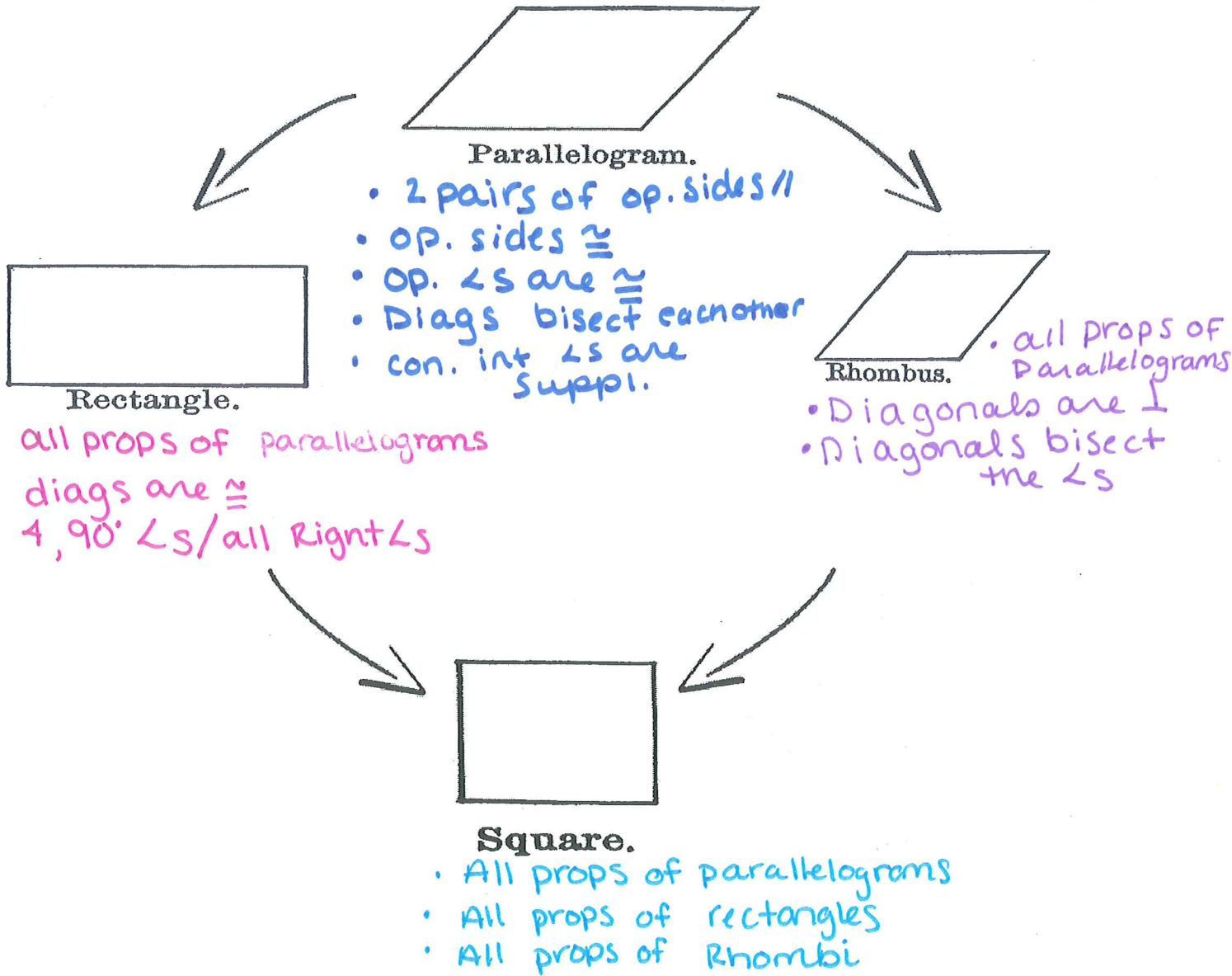
Name: Key

Hour: _____

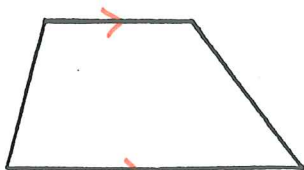
Quadrilateral Property Flow Chart

Please take this out! - with your chart

Directions: List all the properties of each quadrilateral underneath the respective quadrilateral. As the chart progresses, you do not need to repeat properties (i.e. if a parallelogram has opposite sides congruent, you don't need to list it for the quadrilaterals below it).



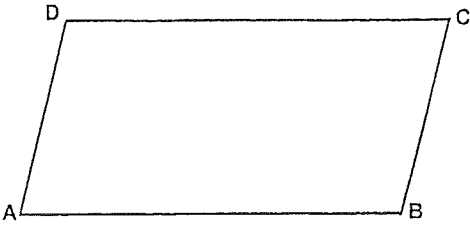
Also list the properties of this other quadrilateral:



Trapezoid.

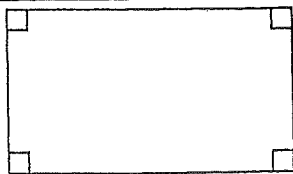
- one pair of op. sides //
- op. base \angle s are suppl.

Properties of Parallelograms



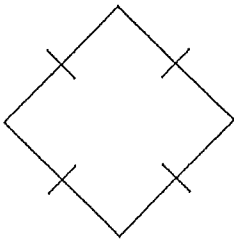
- Four sides.
- Both pairs of opposite sides are parallel.
- Both pairs of opposite sides are congruent.
- Both pairs of opposite angles are congruent.
- Diagonals bisect each other.

Special Parallelograms



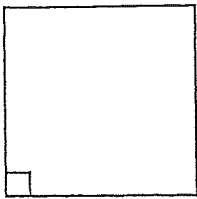
Rectangle

- Parallelogram with four right \angle 's.
- Diagonals are congruent.



Rhombus

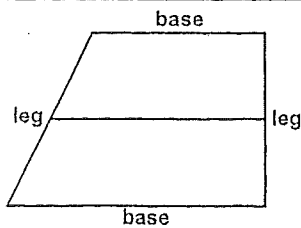
- Parallelogram with four congruent sides.
- Diagonals are perpendicular.
- Diagonals bisect the \angle 's of the rhombus.



Square

- Parallelogram with four right \angle 's and four congruent sides.
- Diagonals are perpendicular.
- Diagonals bisect the \angle 's of the square.

Trapezoids



- Four sides
- Exactly one pair of parallel sides
- The median is parallel to the bases.
- The median has a length equal to the average of the bases.



Isosceles trapezoid

- A trapezoid with congruent legs
- Opposite \angle 's are supplementary.