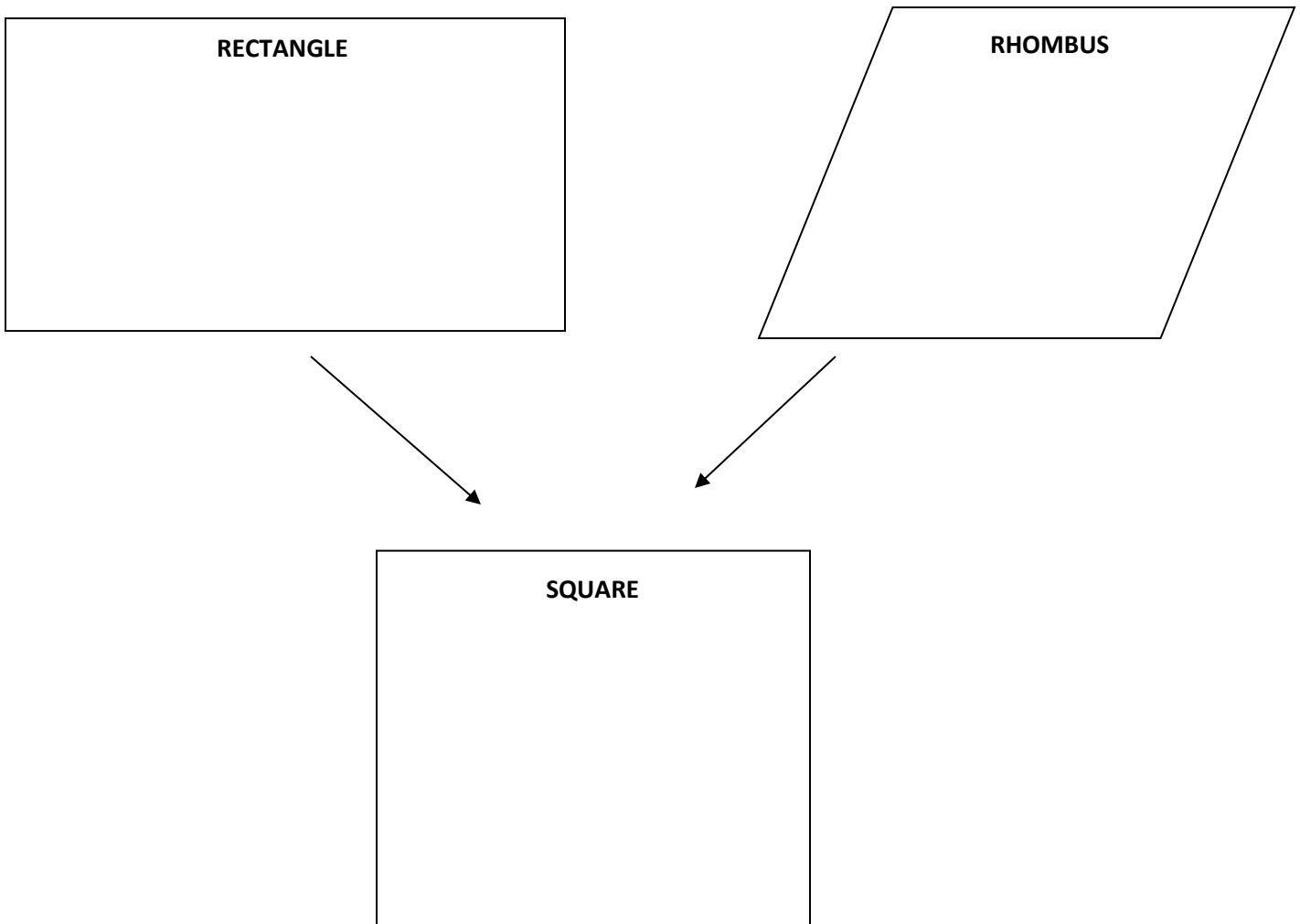


6.4 NOTES: Properties of Special Parallelograms

In summary, RECTANGLES, RHOMBUSES and SQUARES are all PARALLELOGRAMS...so they have all the properties of the parallelograms such as:

- 2 pairs of opposite sides parallel
- 2 pairs of opposite sides congruent
- 2 pairs of opposite angles congruent
- consecutive angles are supplementary
- diagonals bisect each other

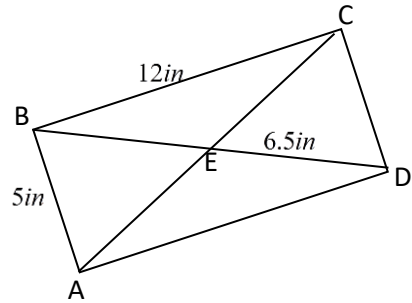
AND THEN THEY HAVE SPECIAL PROPERTIES



Using the properties of special parallelograms like the rectangle, rhombus and the square, answer the following questions.

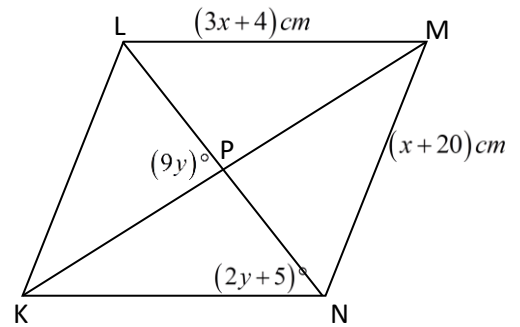
1. $ABCD$ is a rectangle. Find the length of each segment below. What 3 properties did you use?

- a. $BD =$ _____
- b. $CD =$ _____
- c. $AC =$ _____
- d. $AE =$ _____



2. $KLMN$ is a rhombus.

- a. Find the value of x . What property did you use?



- b. Find the value of y . What property did you use?

- c. Find the $m\angle KNM$. What property did you use?