P. 5. **FINDING THE ACTUAL AREA OF SHAPES INSIDE OF THE TANGRAM IN INCH AND METRIC MEASUREMENT.**
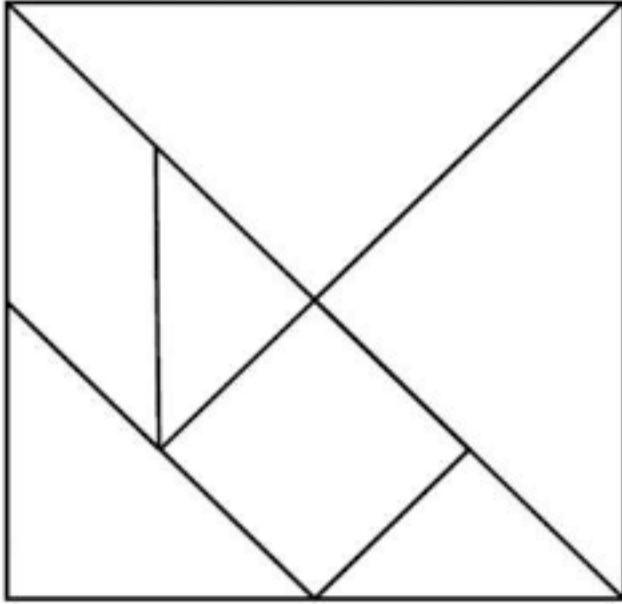

DIRECTIONS: 1) You will need an inch and metric ruler. 2) You will use the information you figured on page 4 to help you get the correct answers. 3) Using the metric side of the ruler to measure the sides of the tangram shape to the left. (They should be the same since it's supposed to be a square.)

1) The side measures ____cm ____mm **or**

____mm **or** __. __cm (Notice that there are

three ways of writing this.)

2) Using this side measurement in cm, determine the area of the total tangram on this page. **(Check with either Claire or Joe to see if this answer is correct before trying to answer the next questions.).** Your answer is: the area is _____square cm.

2) If from page 4 you figured that the large triangle is 1/4 of the (total) tangram shape, you can take 1/4 of your area to get the areas of:

    a) the large triangle = _____sq.cm   or _____sq.mm

    b) the area of the medium triangle = _____sq.cm   or _____sq.mm

    c) the area of the small triangle = _____sq.cm   or _____sq.mm

    d) the area of the small square = _____sq.cm   or _____sq.mm

    e) the area of the parallelogram = _____sq.cm   or _____sq.mm

3) Now use the inch side of the ruler to measure the side of the tangram which to the nearest 1/4 inch is _____inches.   **(Check with either Claire or Joe to see if this answer is correct before trying to answer the next questions.)** Your answer is: the area is _____square inches.

    a) the large triangle = _____sq.inches

    b) the area of the medium triangle = _____sq.inches

    c) the area of the small triangle = _____sq.inches

    d) the area of the small square = _____sq.inches

    e) the area of the parallelogram = _____sq.inches