

Fundamentals of Geometry  
Tangram Area Worksheet

Name:  
Period:

Date:

Directions: You must complete one tangram puzzle from each set on the back of this worksheet. Once you have completed the puzzle, sketch the diagram in the correct location below. Find and label all measurements (in centimeters) on your diagram. Then, find the area of the shape that you created with your tangrams. Show all work. Finally, answer the question below.

Set #1: The shape I completed was \_\_\_\_\_

Set #2: The shape I completed was \_\_\_\_\_

Set #3: The shape I completed was \_\_\_\_\_

What do you notice about the areas that you found in each of the above sets? Why do you think this is? Explain completely, using your knowledge of geometry and congruence to support your answer.

Tangram Puzzle Sets (taken from [www.cleavebooks.co.uk/puzzles](http://www.cleavebooks.co.uk/puzzles))

Set #1:



Set #2:



Set #3:

