

Name _____

Date _____

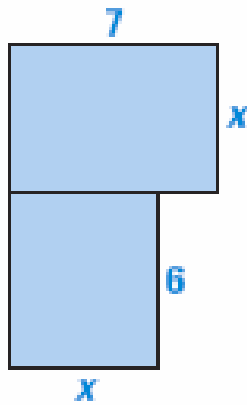
Open-ended Task: Geometry Chapter 8

Directions:

To receive full credit you must do the following:

1. Show OR describe each step of your work, even if you did it in your head (“mental math”) or used a calculator,
AND
2. Write an explanation stating the mathematical reason(s) why you chose each of your steps.

Question: The polygon below is made up of rectangles.



A. Write an expression for the area of the polygon.

B. Suppose the area is 65 square units. Find the value of x .

C. Using your results from part B sketch the figure and label all of its dimensions