

Name _____

Date _____

Open-ended Task: Geometry Chapter 11

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: You are making a tabletop in the shape of a parallelogram to replace an old 24 inch by 15 inch rectangular one.

- A. You want the areas of the tabletops to be equal. The base of the parallelogram is 20 inches. What should the height be?