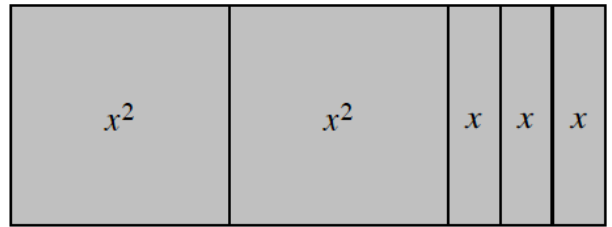


Name: _____

Date: _____ Per: _____

Lesson 4.3.1 Homework

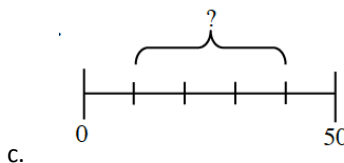
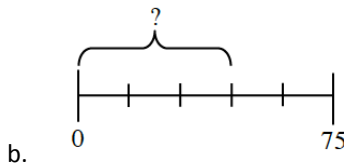
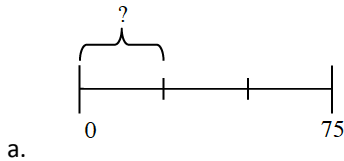
4-75. Using the picture of the tiles to the right, answer parts (a) and (b) below.



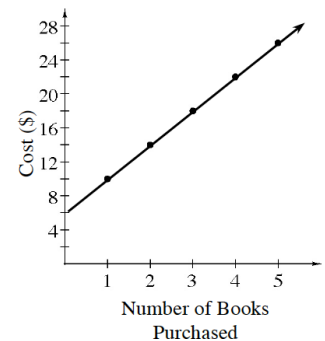
- a. Find the area and perimeter of the shape.

- b. If the algebra tiles were rearranged into a different shape, how would the area change?

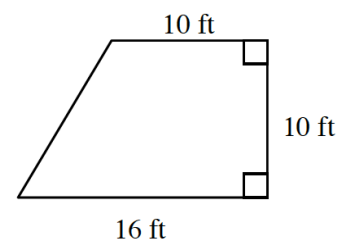
4-76. What is the length of the marked portion of each line segment? Assume that the entire line segment is subdivided into equal sections.



4-77. Is the relationship shown in the graph at right proportional? If so, use it to complete a Proportions Web. If not, explain why it is not.



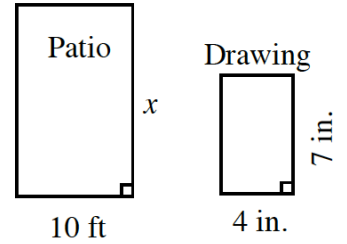
4-78. Dante is ordering wood flooring for his bedroom, which is shaped like a trapezoid (shown at below). If the flooring materials cost \$5 per square foot, how much should he expect to pay for the materials?



4-79. Sammy is training for a running race. Today he ran $3\frac{3}{5}$ miles in 33 minutes. What is his pace in miles per hour?

4-84. Daniel needed to paint his patio, so he made a scale drawing of it. He knows the width of the patio is 10 feet, but the scale drawing is in inches.

a. Find the length of the patio in feet.



b. Find the area of the patio so Daniel knows how much paint to buy.

c. One can of paint covers 125 square feet. How many cans of paint will Daniel need to buy?