

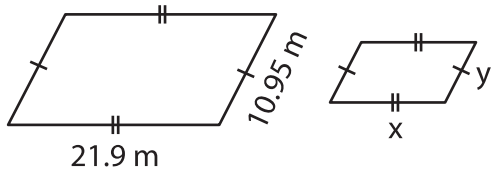
Name : \_\_\_\_\_

## Scale Factor - Finding Sides

Sheet 2

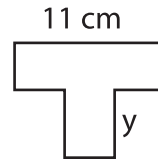
Each pair of figures is similar. Find  $x$  and  $y$ . (A denotes Area and P denotes Perimeter)

1)

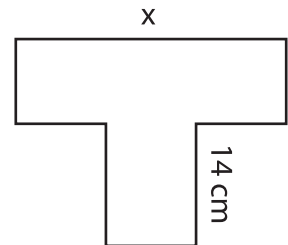


$P = 31.5$  m

2)



$A = 7$  cm<sup>2</sup>

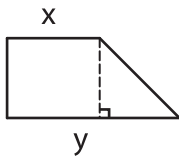


$A = 343$  cm<sup>2</sup>

$x =$  \_\_\_\_\_ ;

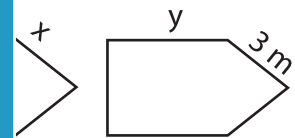
\_\_\_\_\_ ;  $y =$  \_\_\_\_\_

3)



$A = 125$  mm<sup>2</sup>

$x =$  \_\_\_\_\_ ;



$P = 72.9$  m

\_\_\_\_\_ ;  $y =$  \_\_\_\_\_

5) Rectangle M and rectangle N are similar. Rectangle M has a length of 20 cm and a width of 4 cm respectively. If the perimeter of rectangle N is 100 cm, find the length and width of rectangle N.

Rectangle N has a length of  $x$  cm and a width of  $y$  cm. Find  $x$  and  $y$ .

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6) The perimeters of two similar scalene triangles are 84 mm and 70 mm. If the two sides of the larger triangle measure 41.4 mm and 16.92 mm, find the corresponding sides of the smaller triangle.