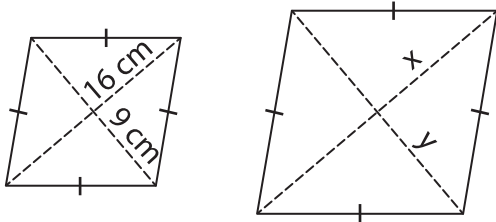


## Scale Factor - Finding Sides

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

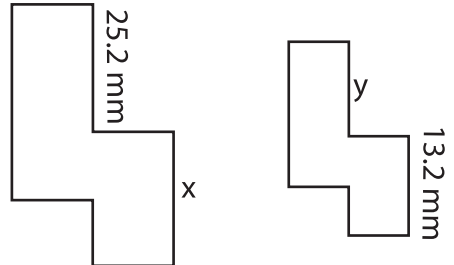
1)



$A = 150 \text{ cm}^2$

$x = \underline{\hspace{2cm}}$  ;

2)

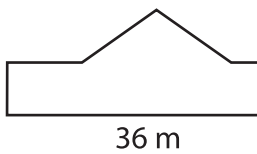


$P = 79.2 \text{ mm}$

mm

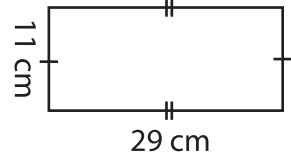
;  $y = \underline{\hspace{2cm}}$

3)



$A = 243 \text{ m}^2$

$x = \underline{\hspace{2cm}}$  ;



;  $y = \underline{\hspace{2cm}}$

5) A and B are similar isosceles triangles. The base of A is 10 cm and the length of its remaining side is 14 cm.

The base of B is 5.6 mm and the length of its remaining side is 7 mm. The perimeter of B is 54 mm.

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6) In a trapezoid G, the parallel bases are 15 m and 21 m. The distance between the parallel sides is 16 m. If the area of a similar trapezoid H is  $8 \text{ m}^2$ , find the length of its parallel sides.