

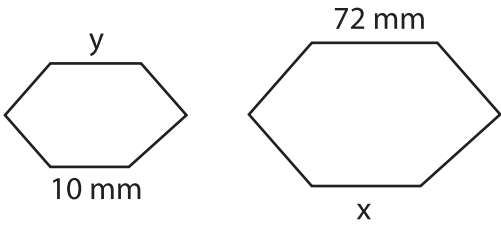
Name : _____

Scale Factor - Finding Sides

Sheet 1

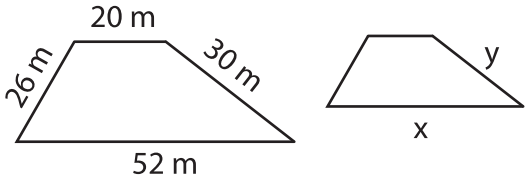
Each pair of figures is similar. Find x and y . (A denotes Area and P denotes Perimeter)

1)



$A = 40 \text{ mm}^2$

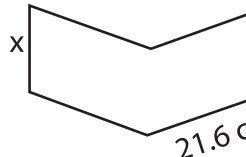
2)



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

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

3)



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

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

5) The perimeters of two similar parallelograms are 10 cm and 20 cm. The perimeter of the smaller parallelogram is 10 cm. Find the perimeter of the larger parallelogram.

adjacent sides of the smaller parallelogram are 3 cm and 4 cm. Find the lengths of the adjacent sides of the larger parallelogram.

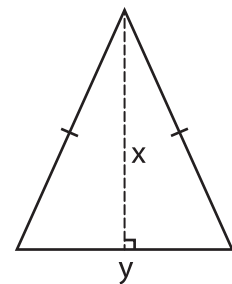
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$A = 324 \text{ mm}^2$

6) P and Q are similar kites. The diagonals of Q are 4 cm and 16 cm long. Determine the length of diagonals of P, if its area is 8 cm^2 .