

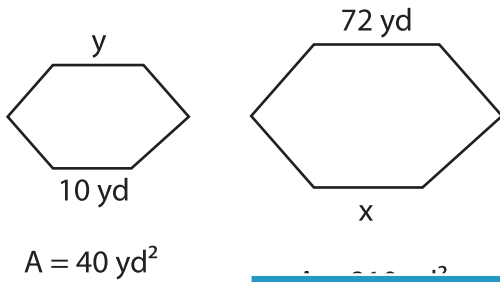
Name : _____

Scale Factor - Finding Sides

Sheet 1

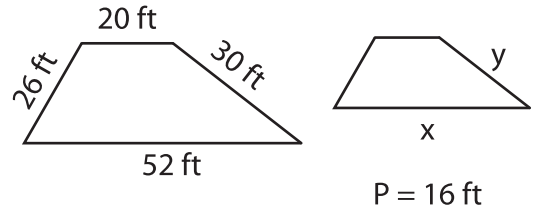
Each pair of figures is similar. Find x and y . (A denotes Area and P denotes Perimeter)

1)



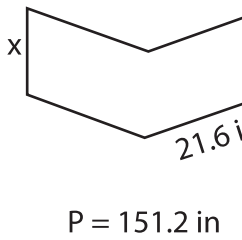
$x = \underline{\hspace{2cm}}$;

2)

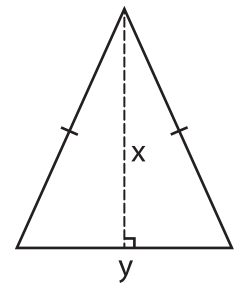


_____ ; $y = \underline{\hspace{2cm}}$

3)



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



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

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

5) The perimeters of two similar parallelograms are 40 and 100. The perimeter of the smaller parallelogram is 40. Find the perimeter of the larger parallelogram.

_____ the adjacent sides of the smaller parallelogram are 10 and 15. Find the perimeter of the larger parallelogram.

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